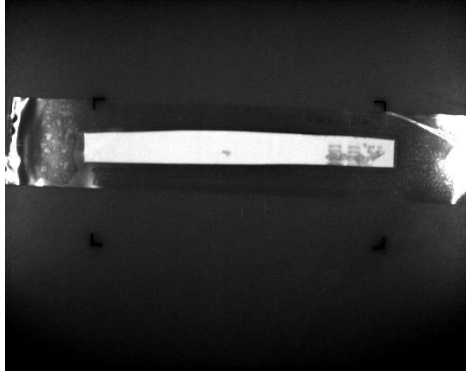
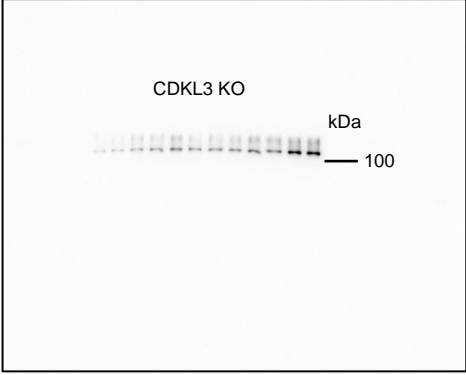
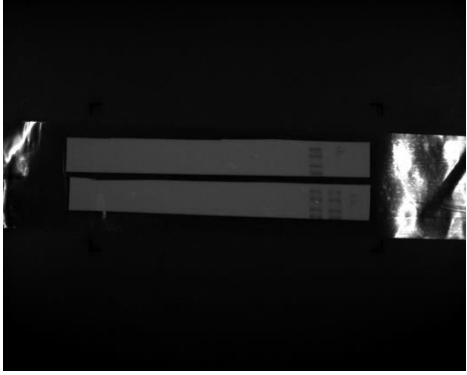
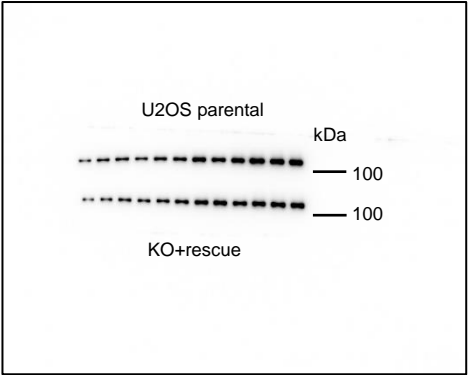
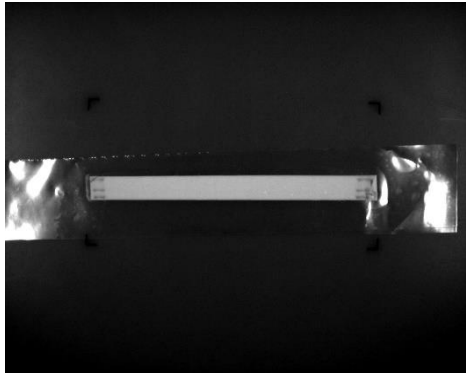
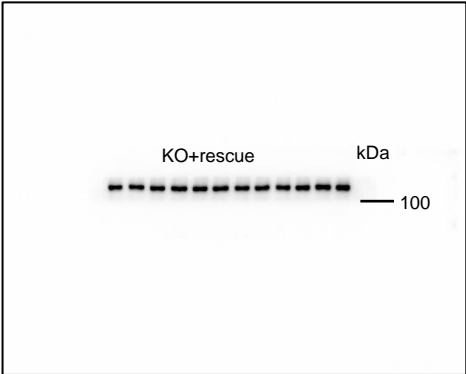
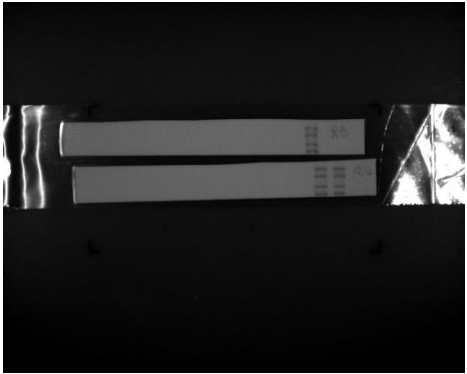
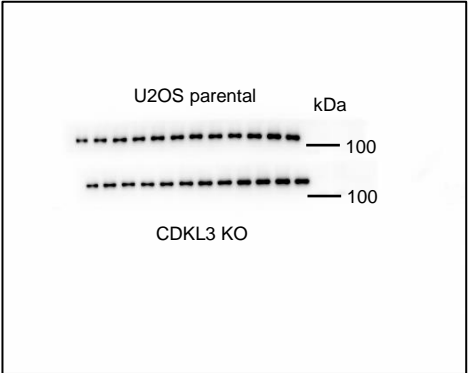


Full unedited blot for Figure 2A

pRb

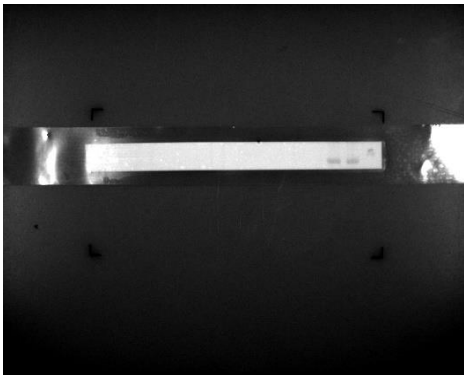
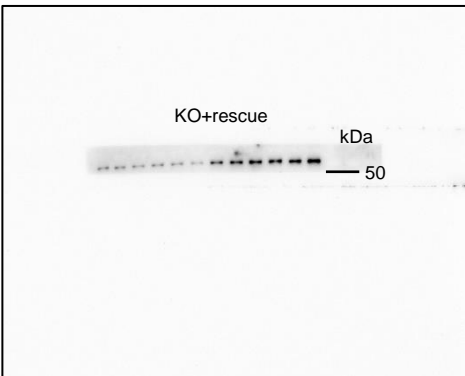
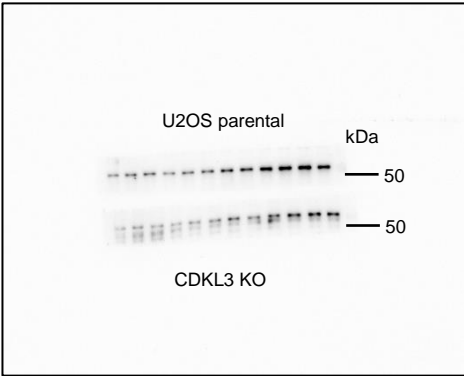


Rb



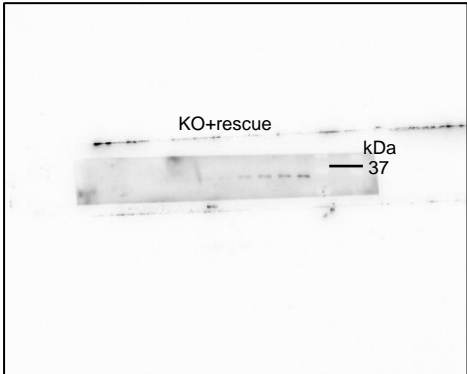
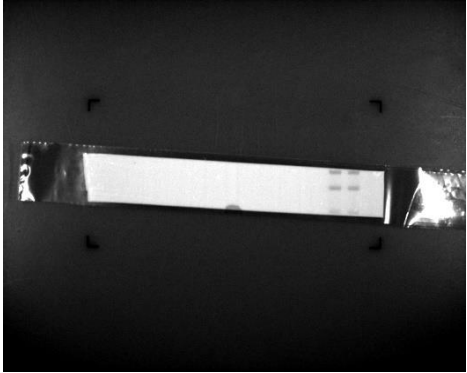
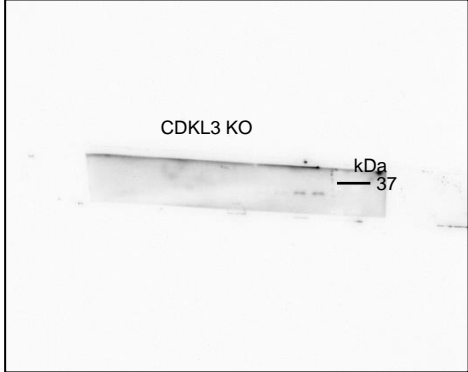
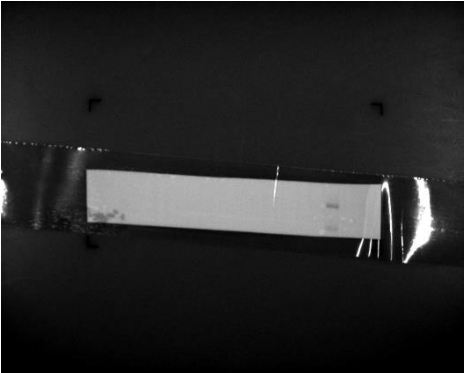
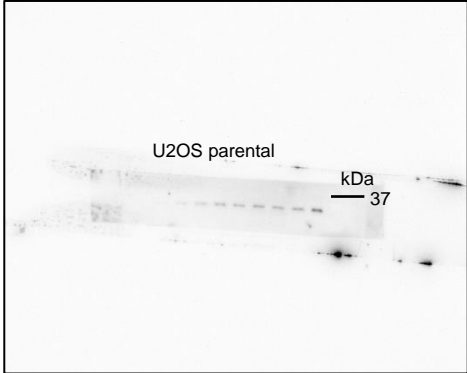
Full unedited blot for Figure 2A

cyclinA2



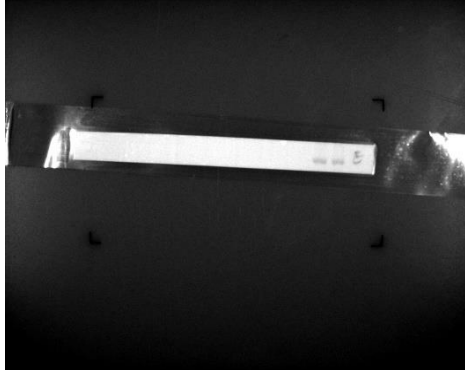
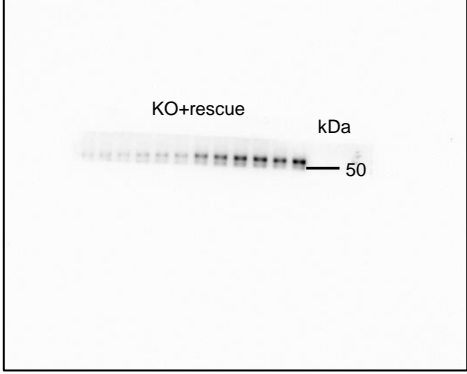
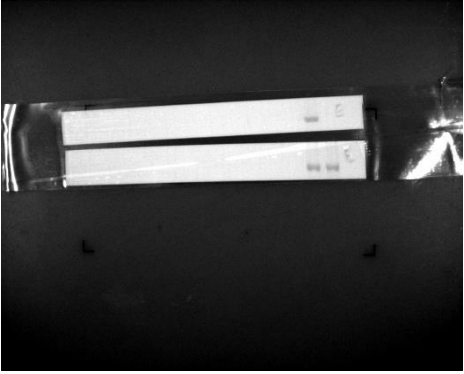
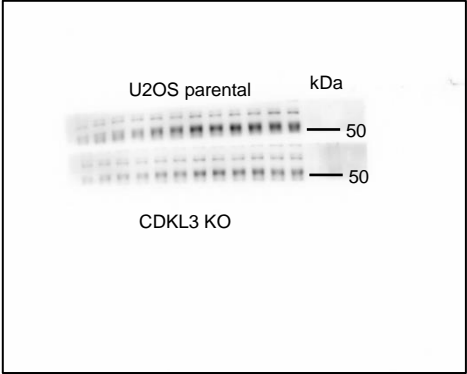
Full unedited blot for Figure 2A

cyclinD1

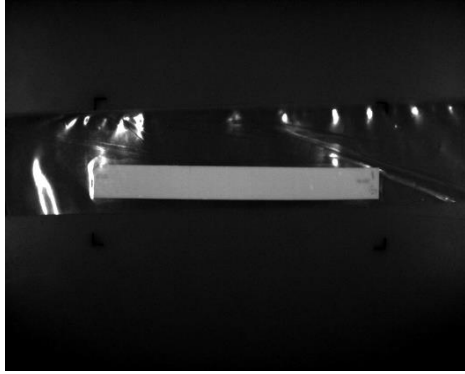
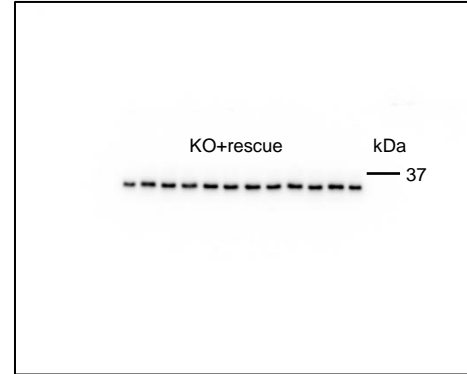
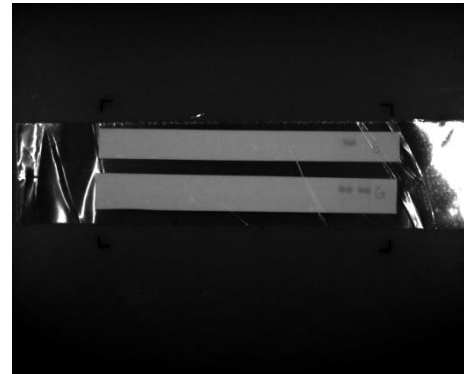
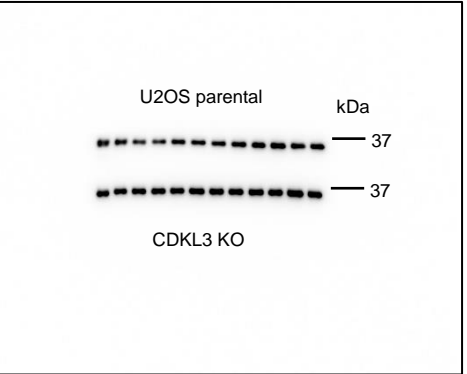


Full unedited blot for Figure 2A

cyclinE1

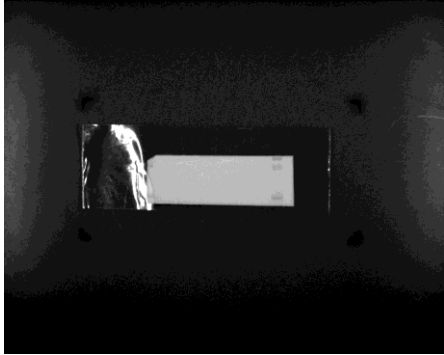
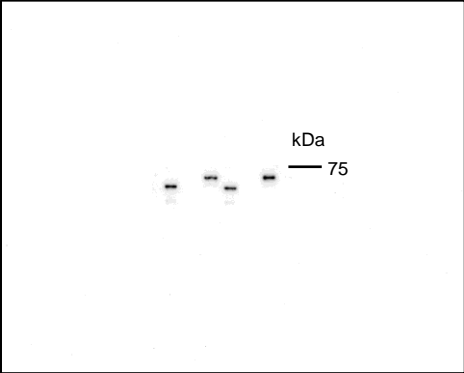


GAPDH

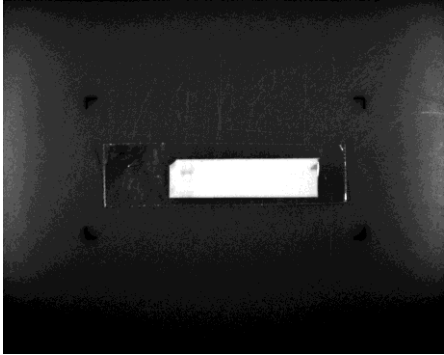
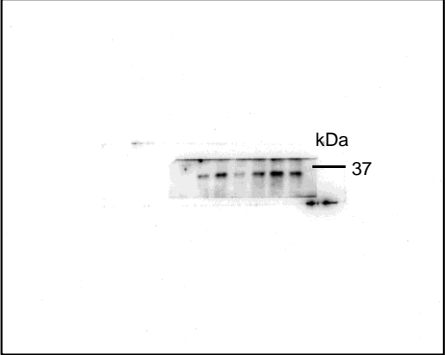


Full unedited blot for Figure 2E

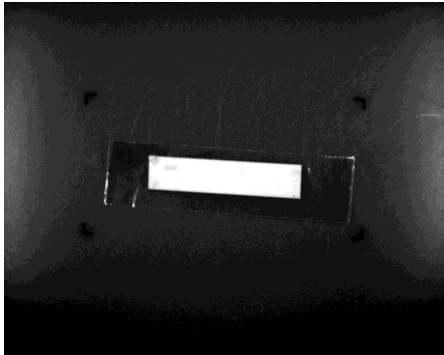
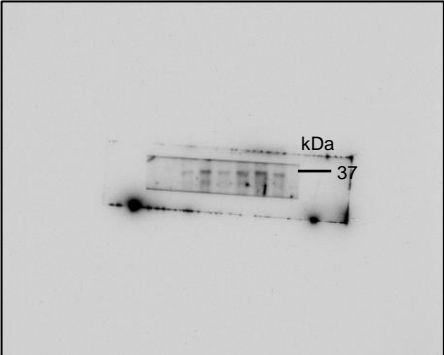
CDKL3



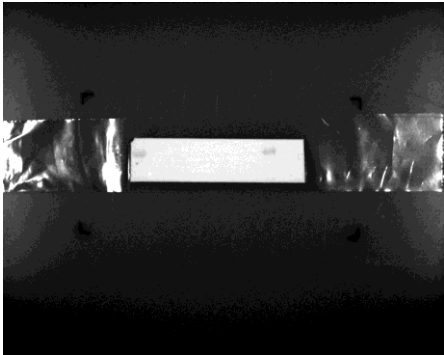
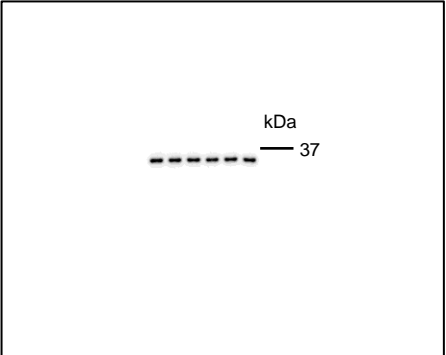
HES1



p27

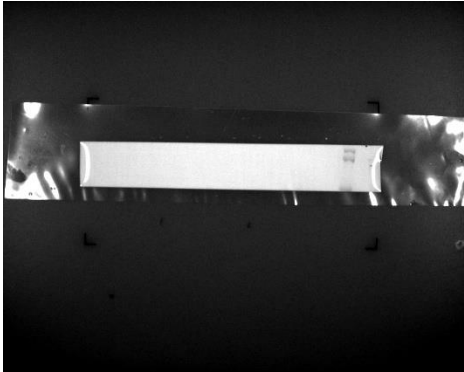
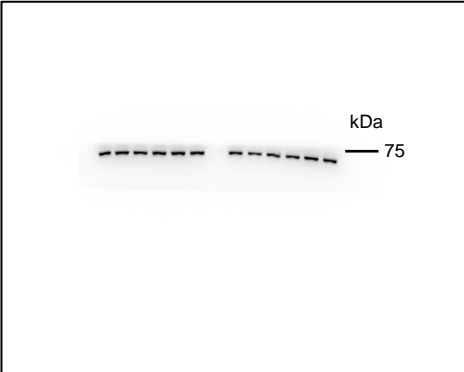


GAPDH

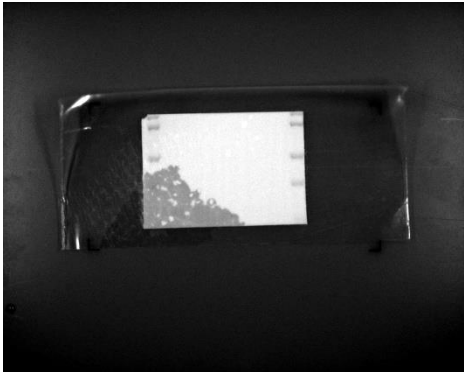
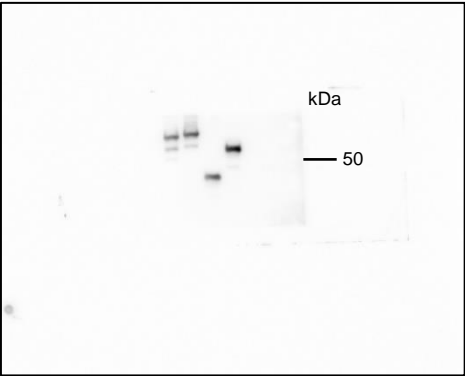


Full unedited blot for Figure 3A

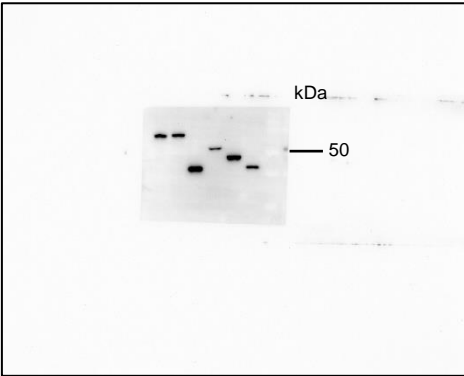
**FLAG-
CDKL3**



**MYC-
cyclin**

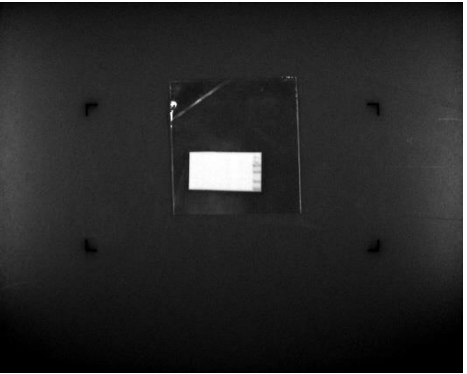
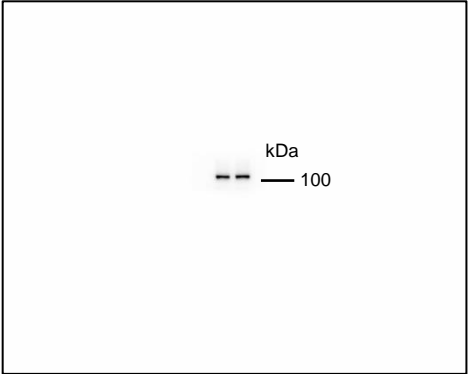
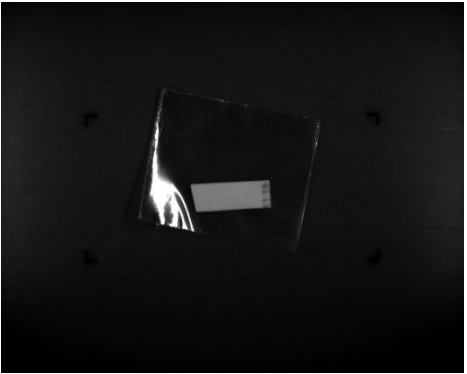
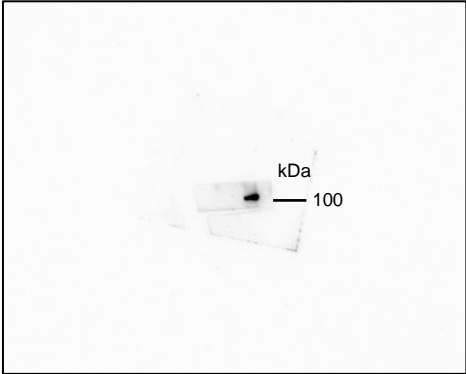


**MYC-
cyclin**

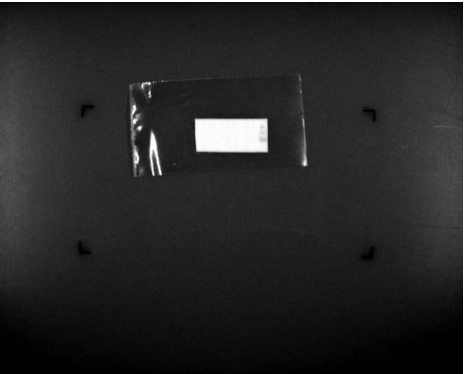
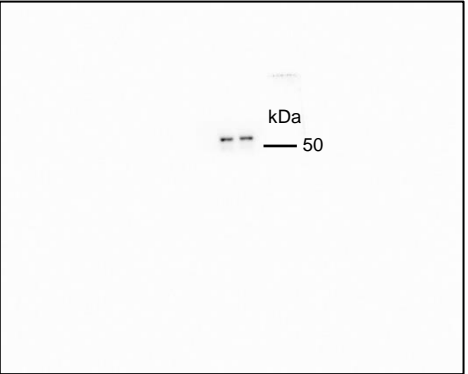
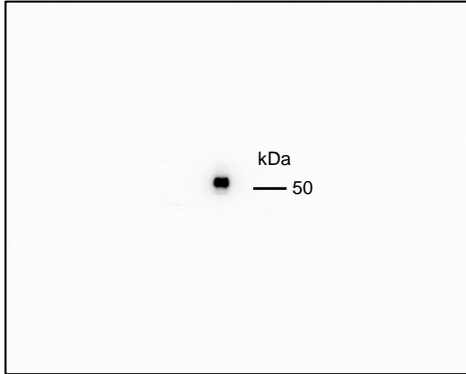


Full unedited blot for Figure 3B

Rb

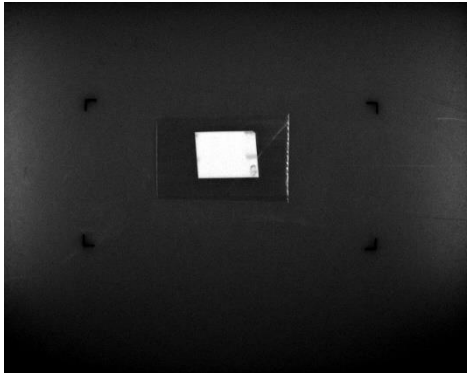
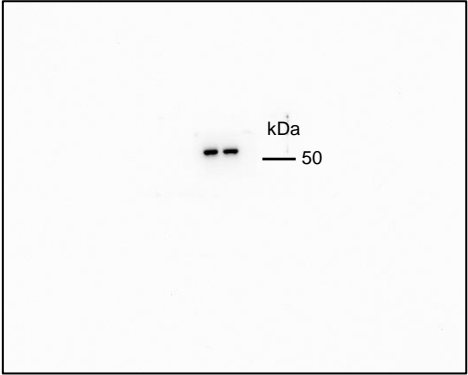
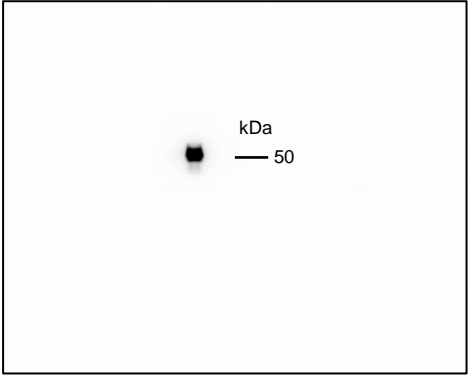


cyclinA2

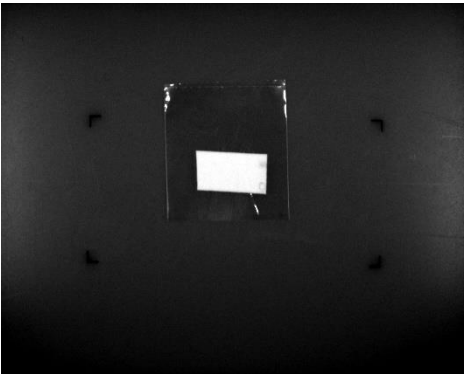
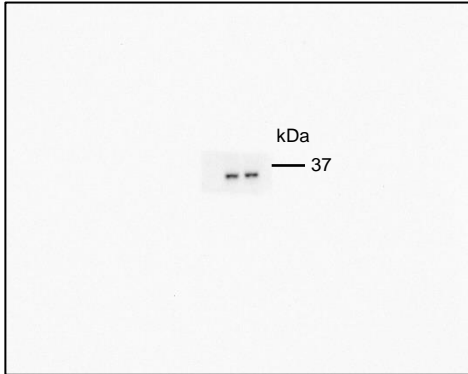
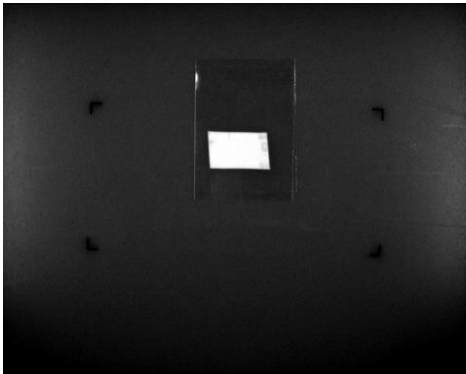
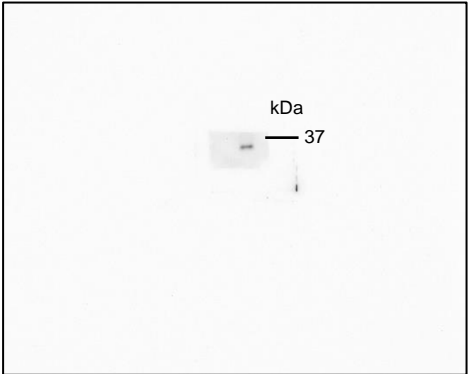


Full unedited blot for Figure 3B

cyclinB1

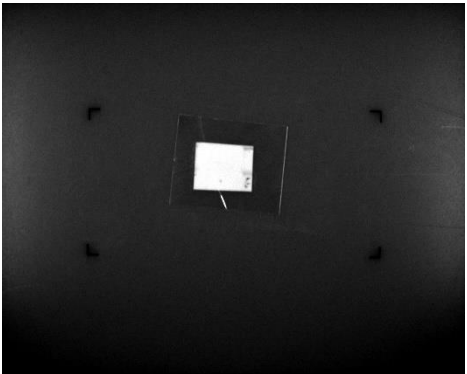
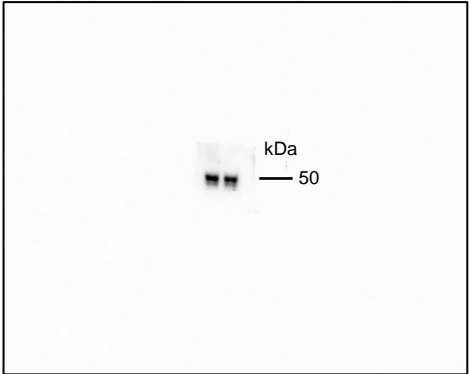
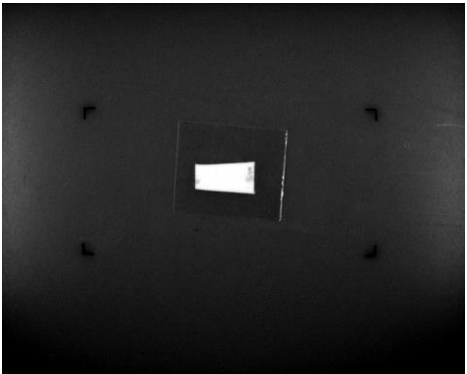
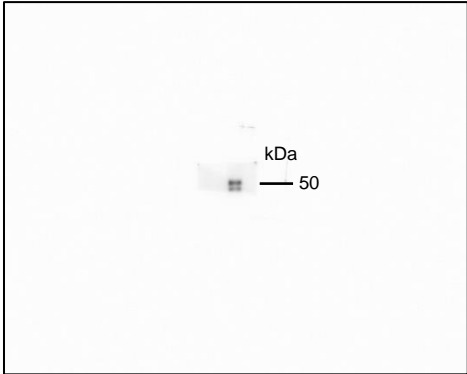


cyclinD1

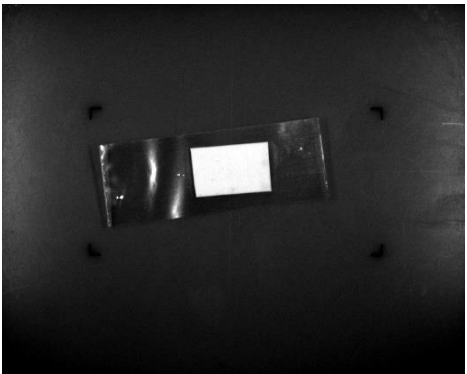
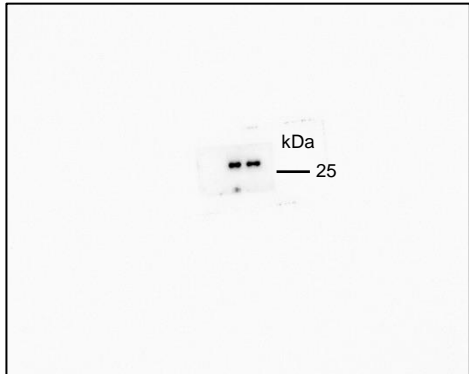
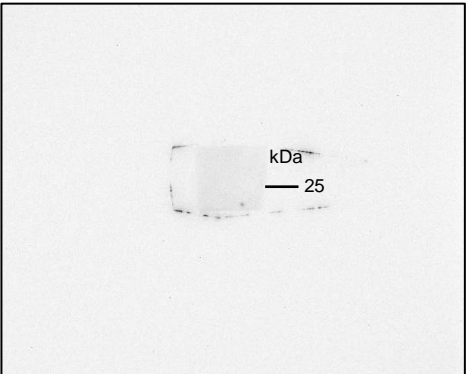


Full unedited blot for Figure 3B

cyclinE1

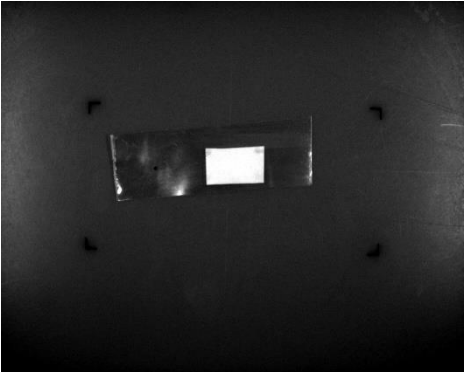
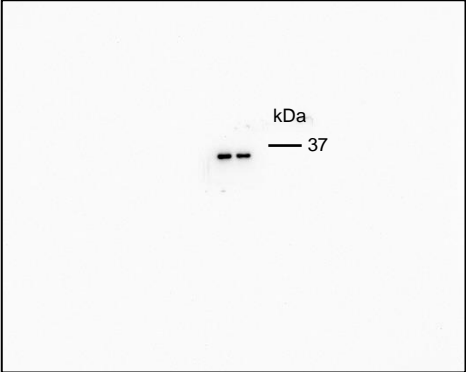
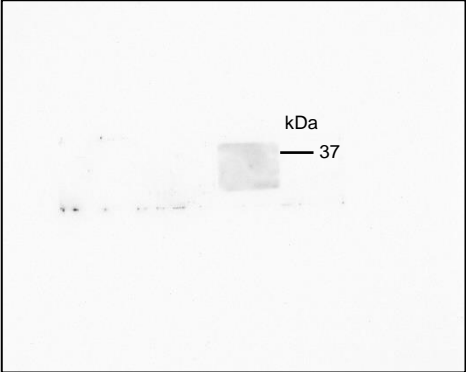


cyclinG1

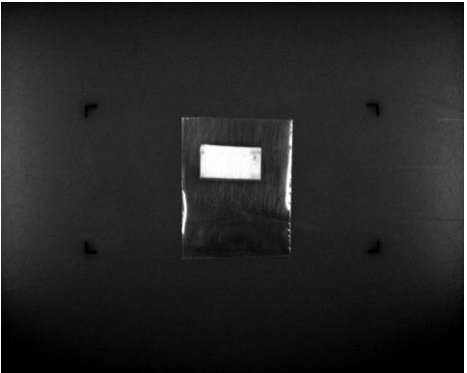
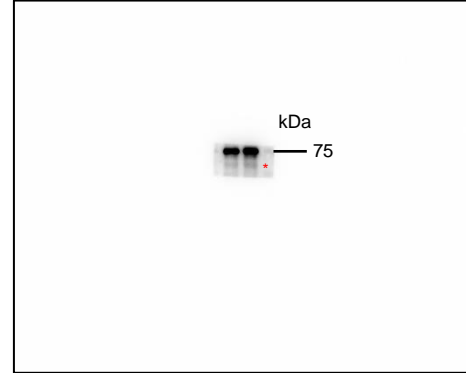
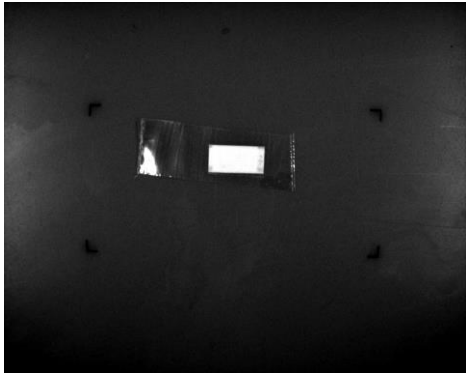
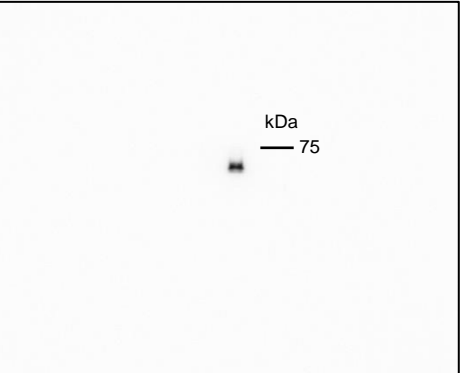


Full unedited blot for Figure 3B

cyclinH1

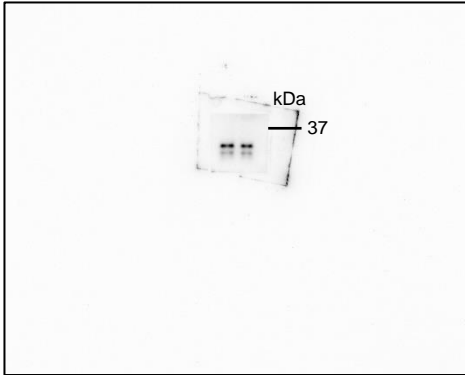
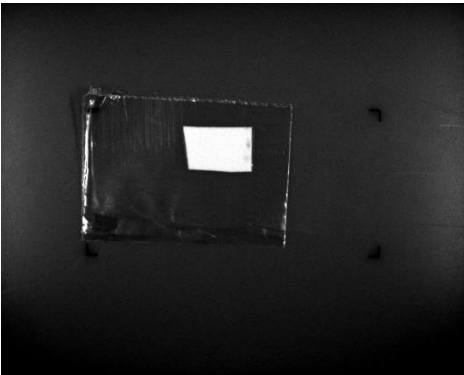
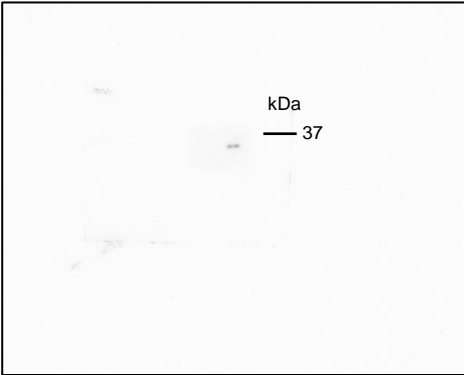


CDKL3



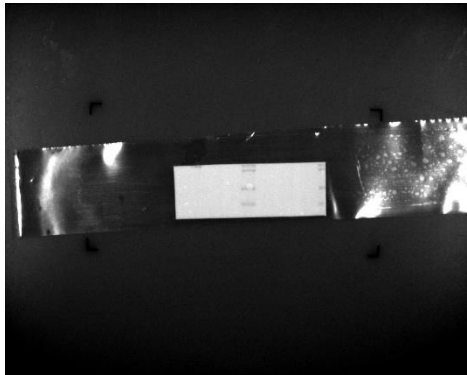
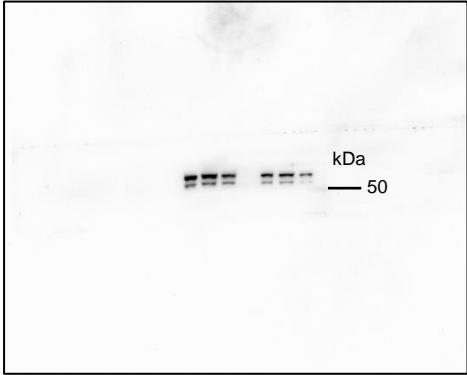
Full unedited blot for Figure 3B

CDK4

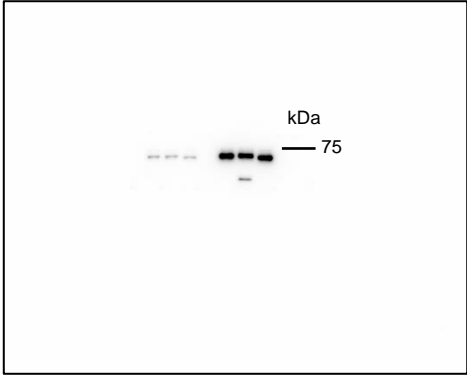


Full unedited blot for Figure 3C

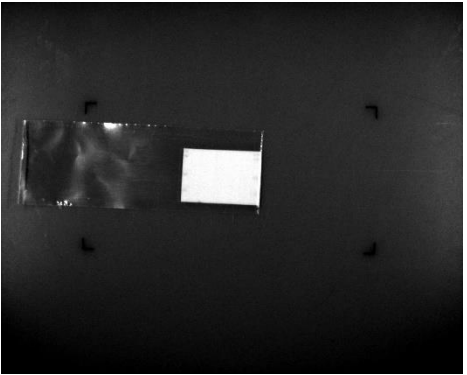
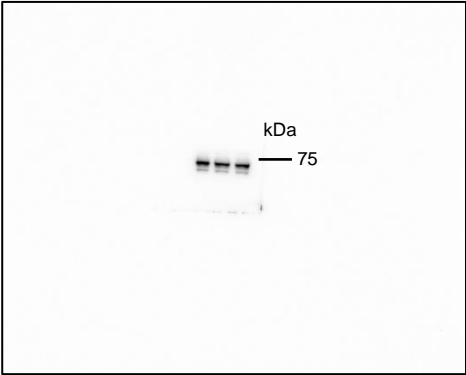
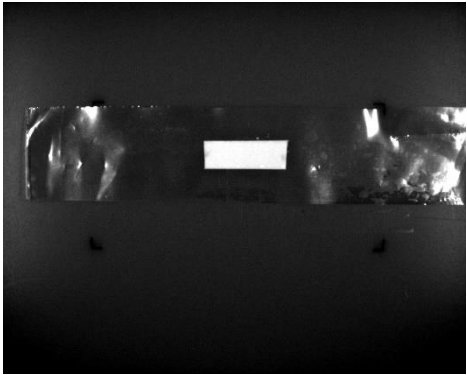
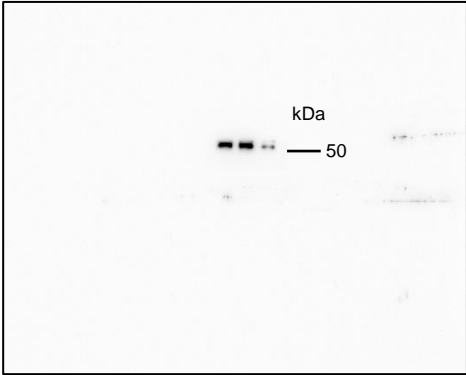
**MYC-
cyclinA2**



**FLAG-
CDKL3**

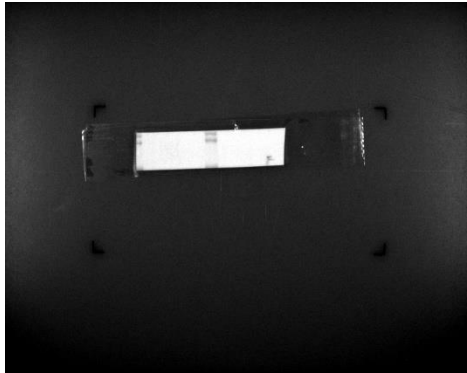
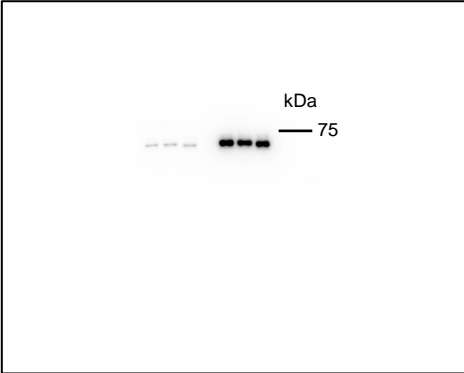


**MYC-
cyclinB1**

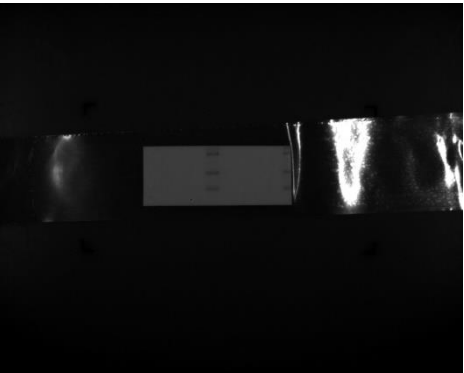


Full unedited blot for Figure 3C

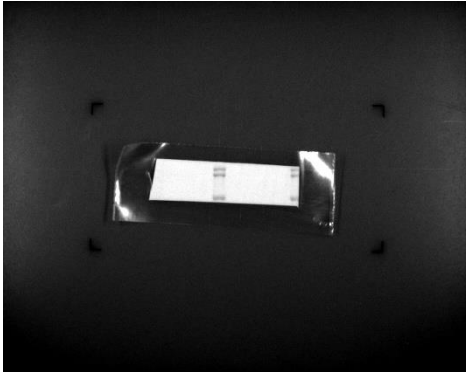
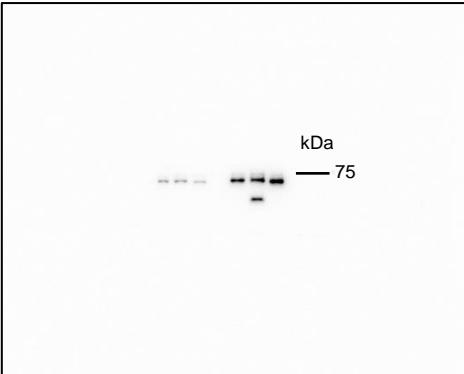
**FLAG-
CDKL3**



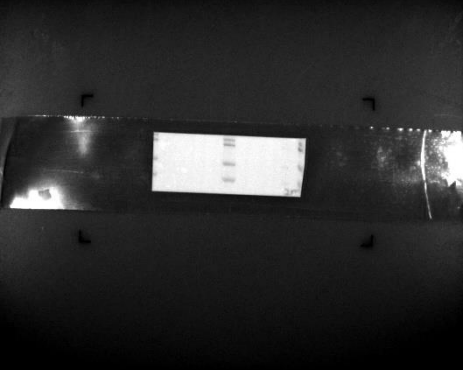
**MYC-
cyclinD1**



**FLAG-
CDKL3**

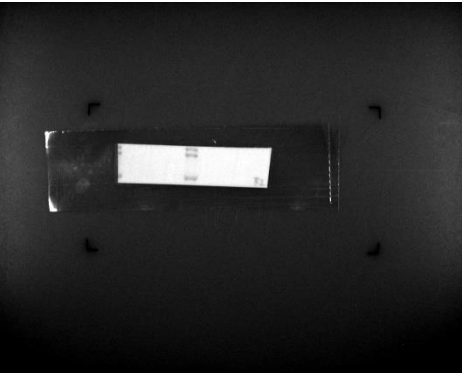
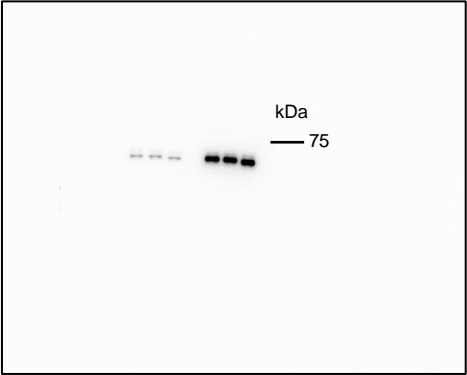


**MYC-
cyclinE1**



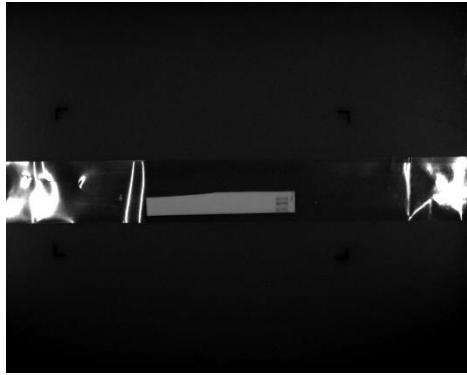
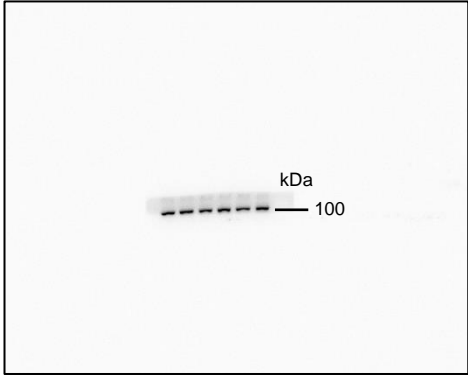
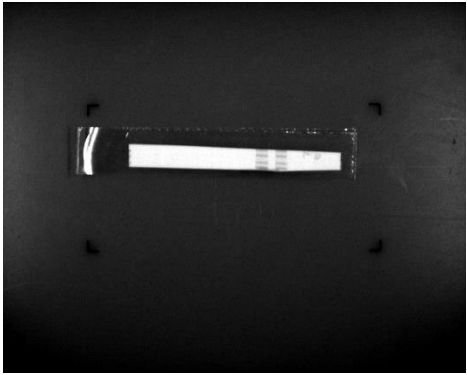
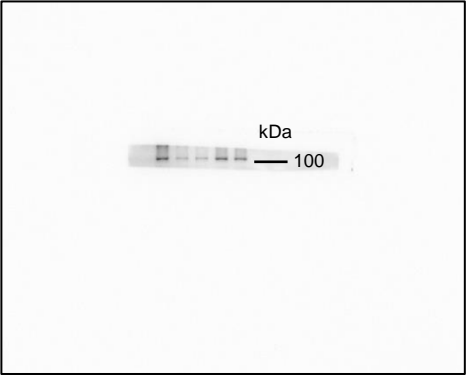
Full unedited blot for Figure 3C

**FLAG-
CDKL3**

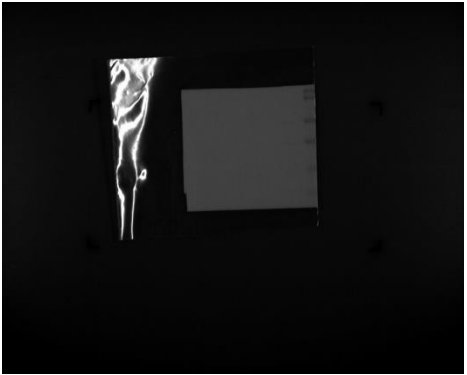
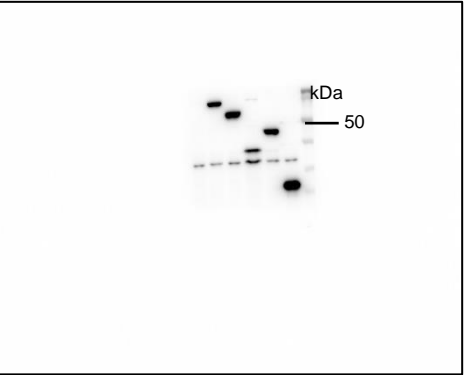
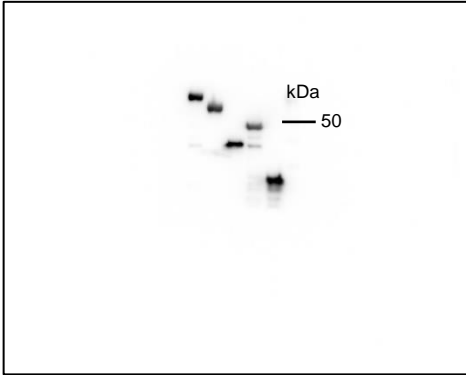


Full unedited blot for Figure 3E

Rb

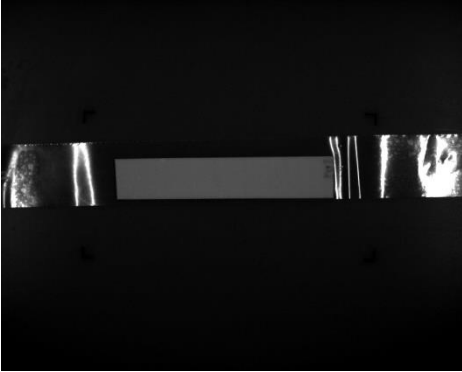
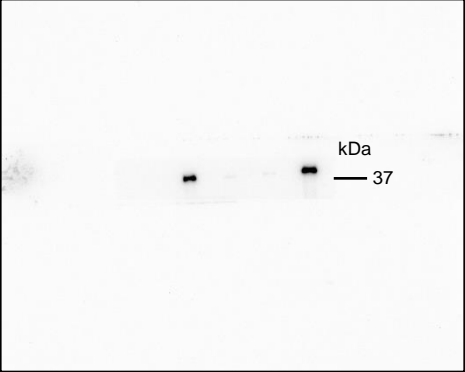


FLAG
-CDKL3

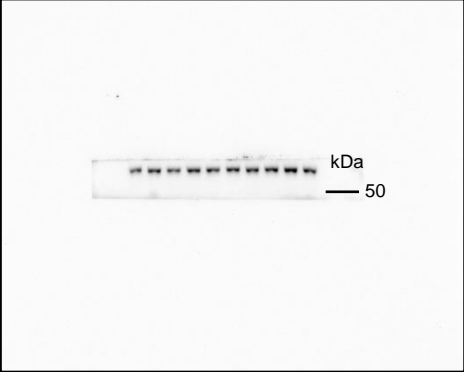


Full unedited blot for Figure 3G

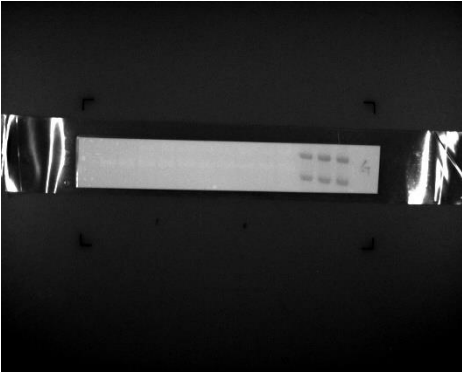
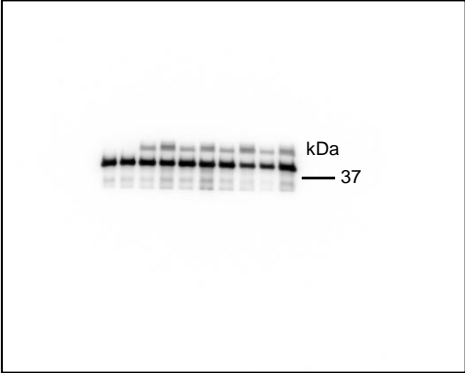
pRb



FLAG

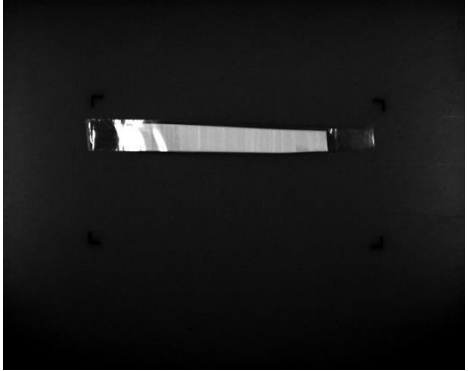
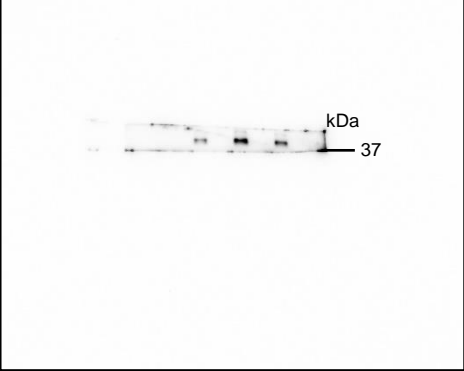


GST

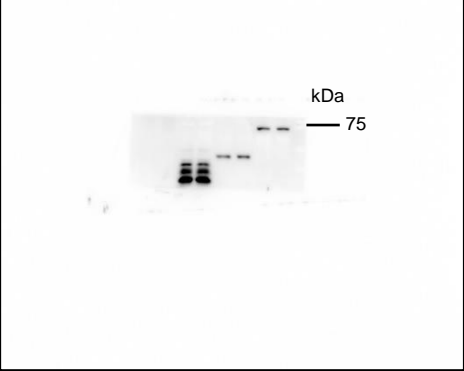


Full unedited blot for Figure 3H

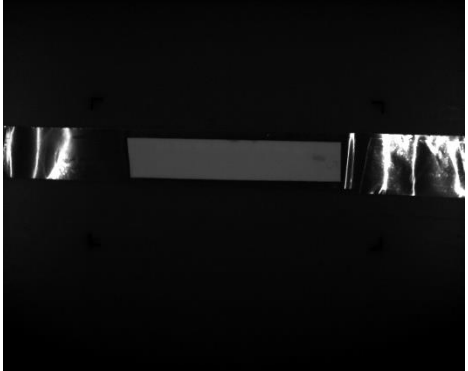
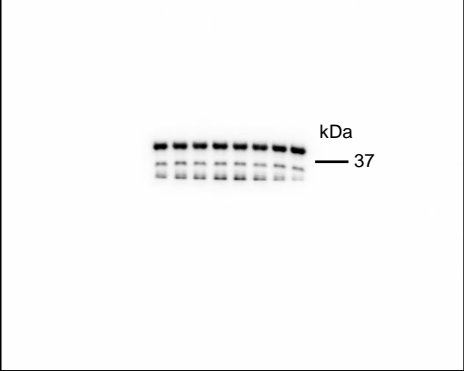
pRb



FLAG

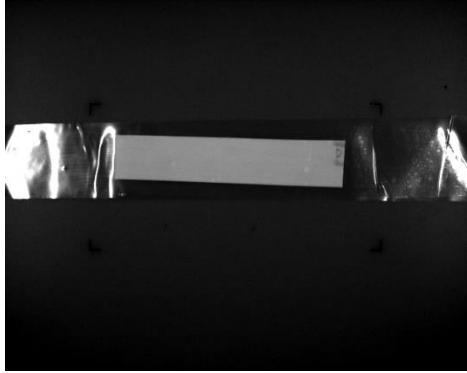
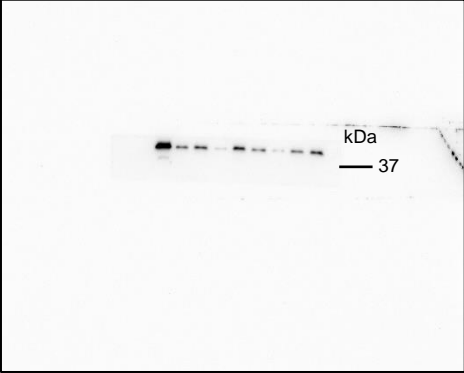


GST

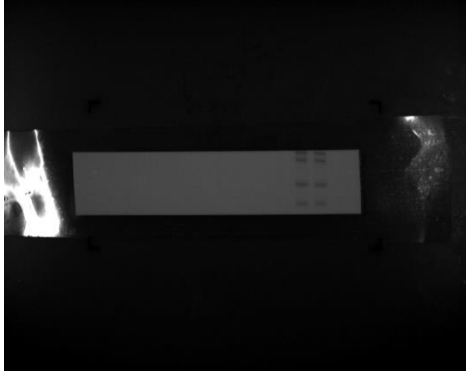
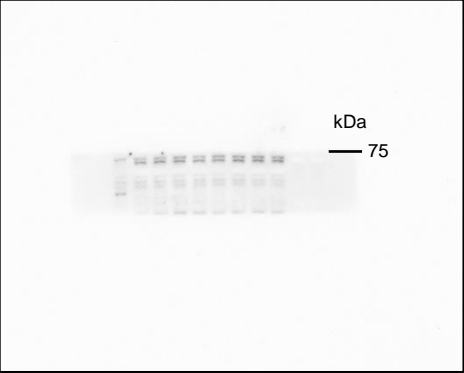


Full unedited blot for Figure 3I

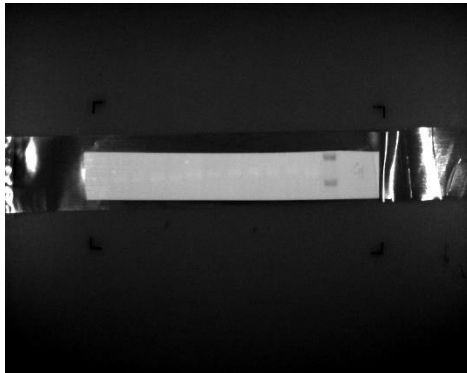
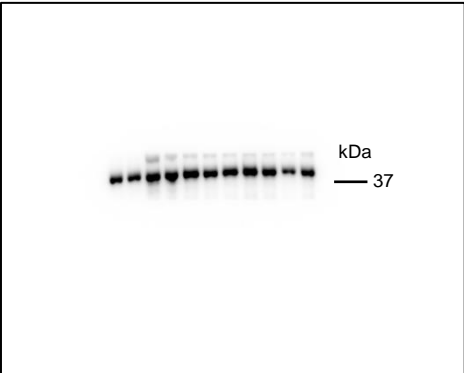
pRb



FLAG

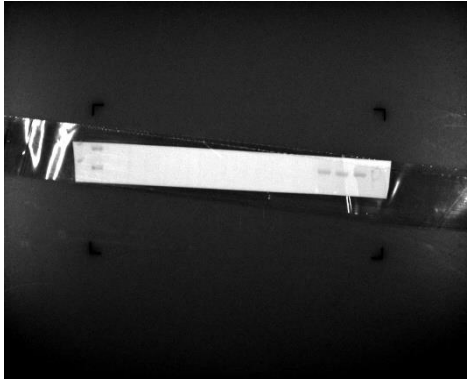
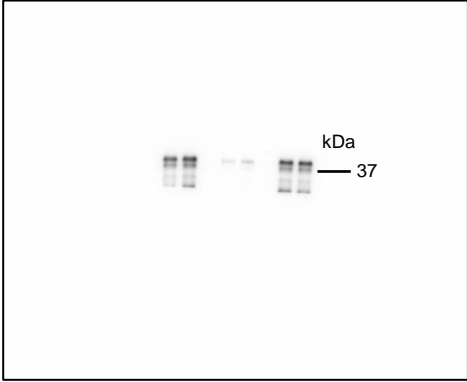


GST

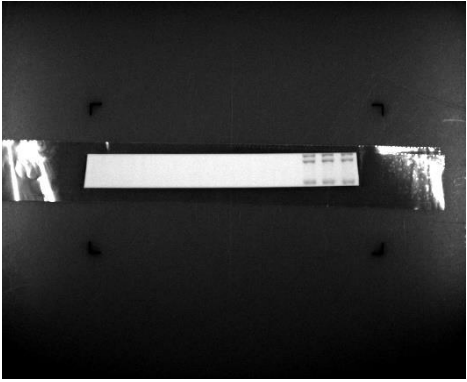
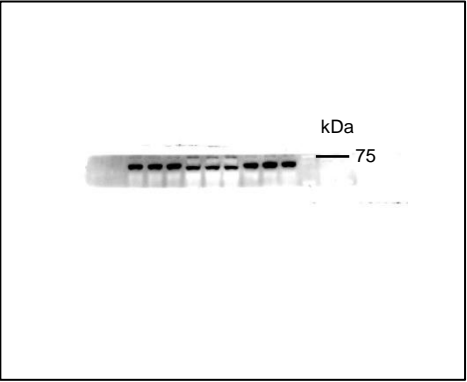


Full unedited blot for Figure 3J

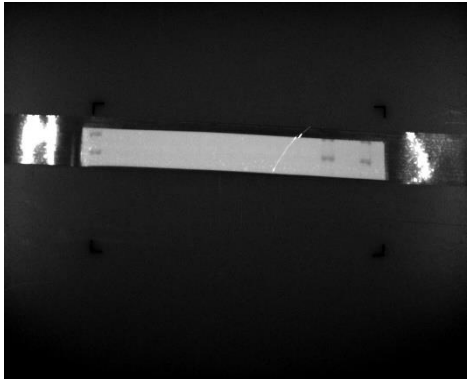
pRb



FLAG

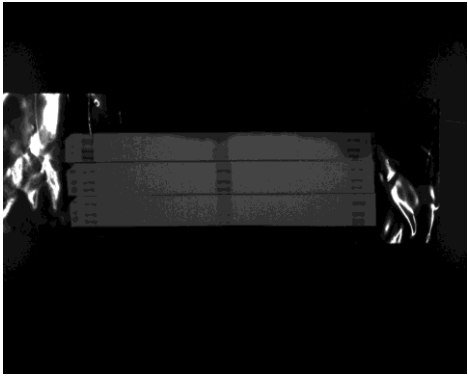
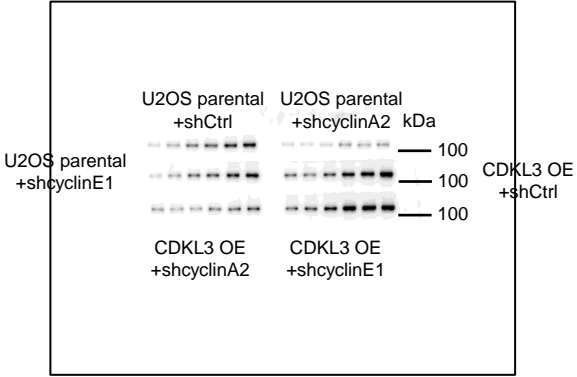


GST

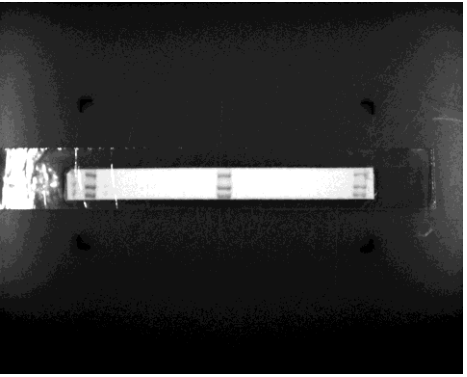
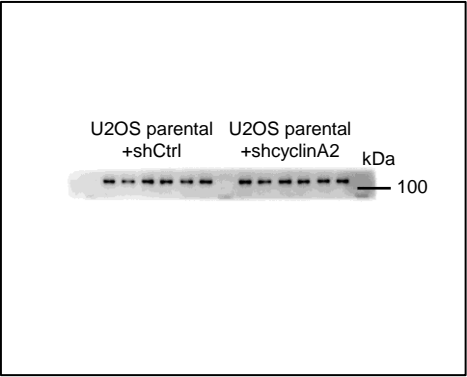


Full unedited blot for Figure 3K

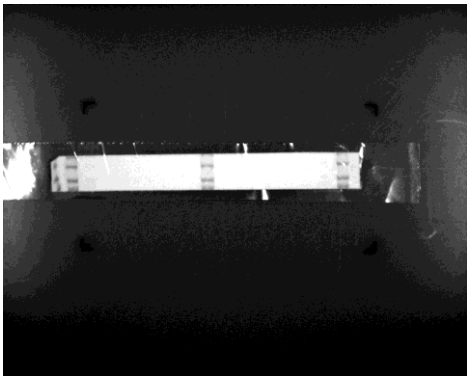
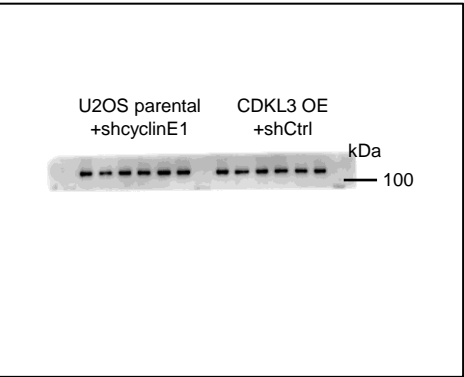
pRb



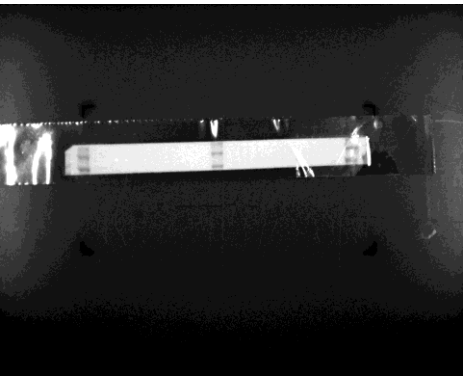
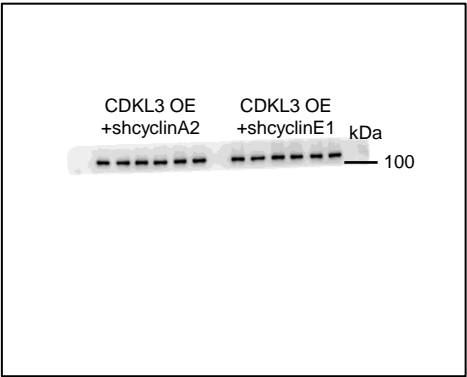
Rb



Rb

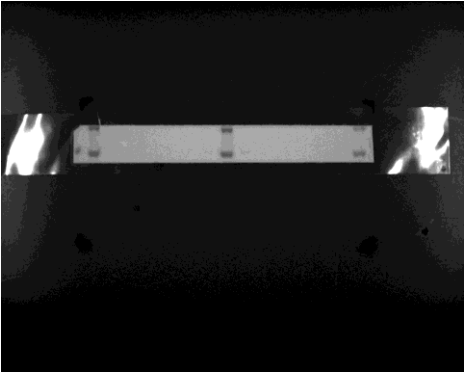
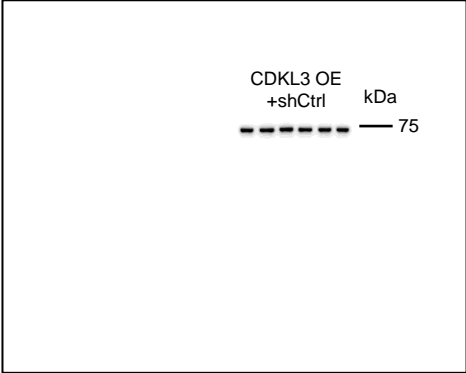


Rb

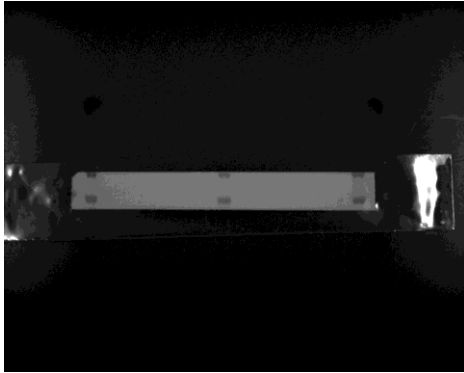
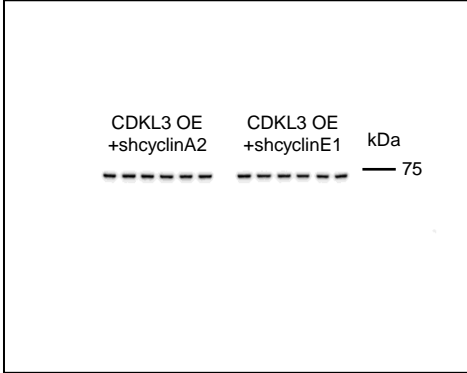


Full unedited blot for Figure 3K

FLAG

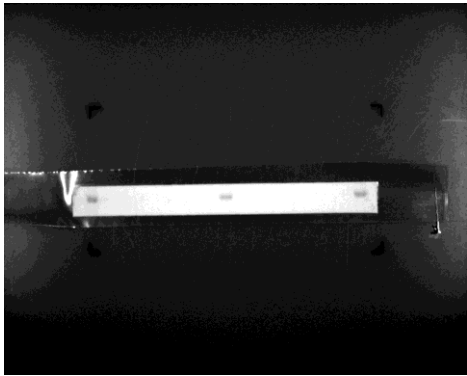
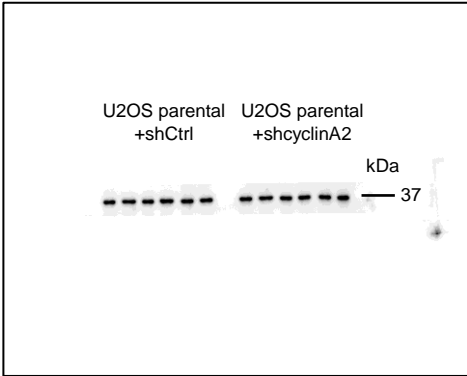


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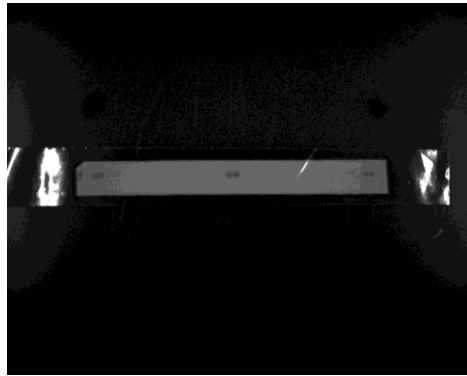
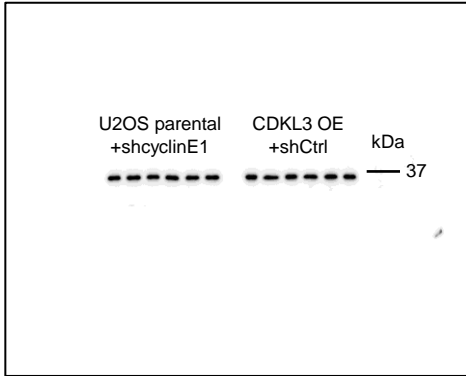


Full unedited blot for Figure 3K

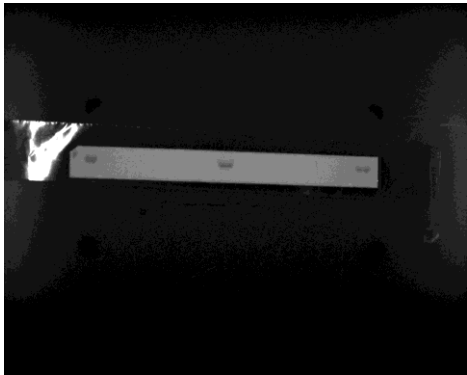
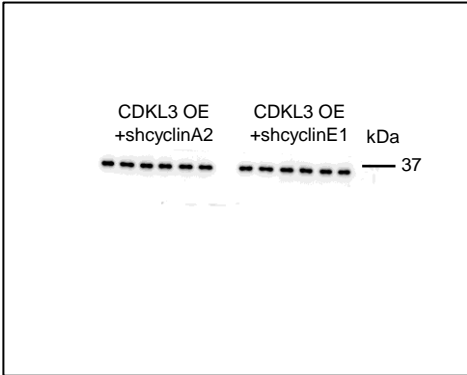
GAPDH



GAPDH

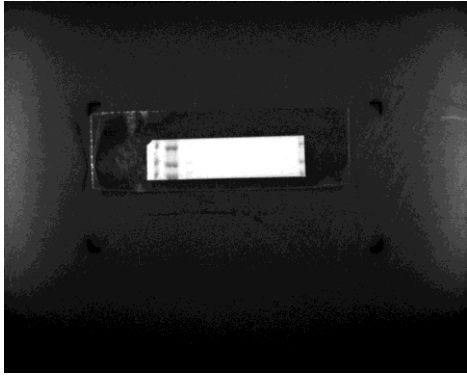
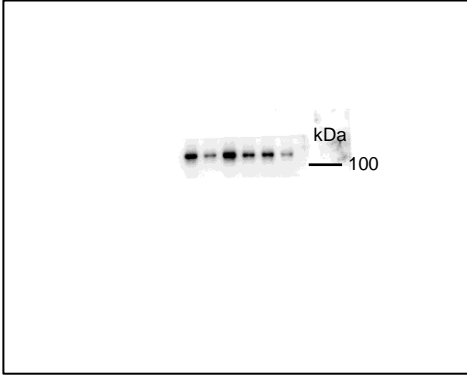


GAPDH

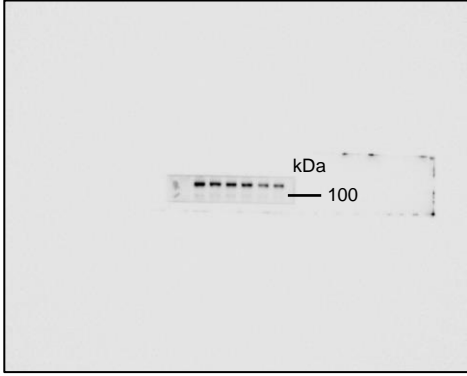


Full unedited blot for Figure 4A

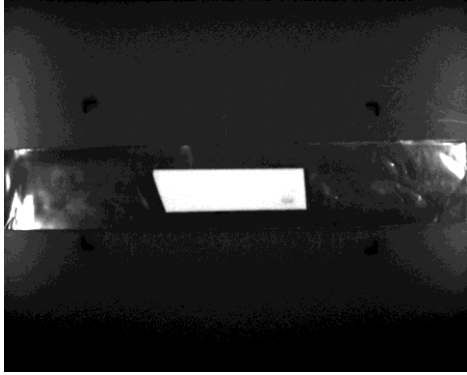
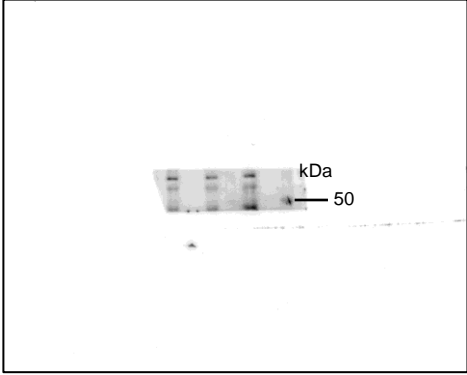
pRb



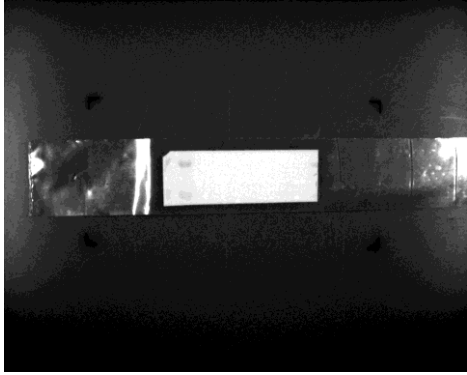
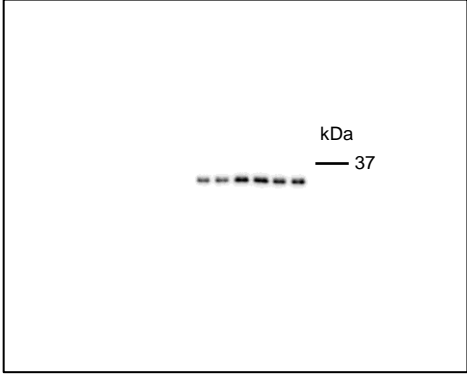
Rb



CDKL3

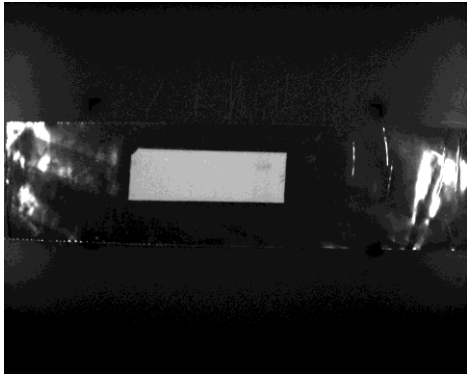
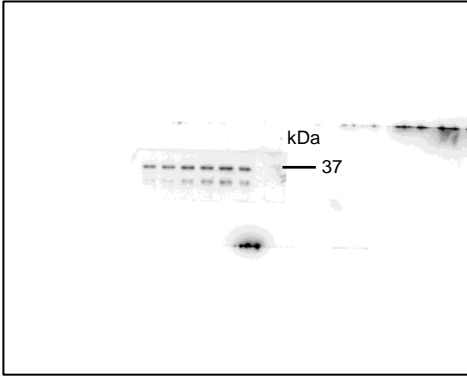


CDK1

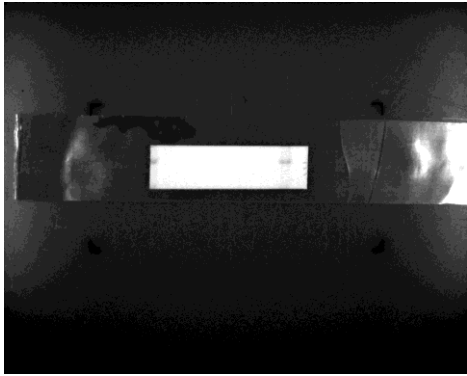
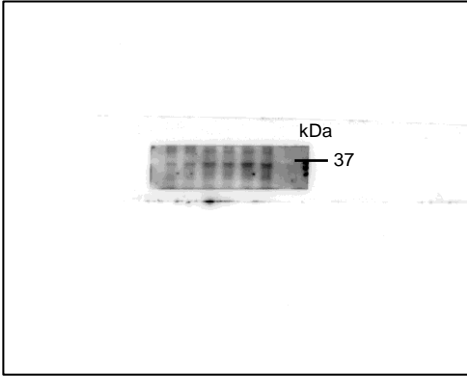


Full unedited blot for Figure 4A

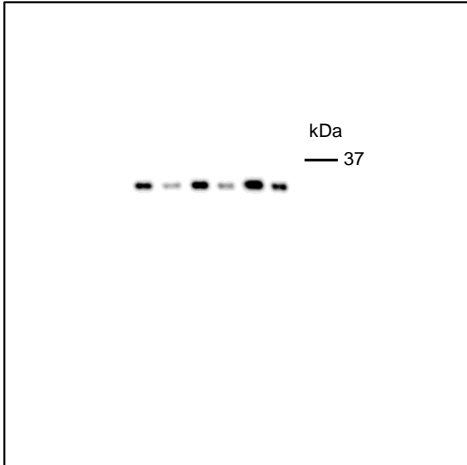
CDK2



CDK3

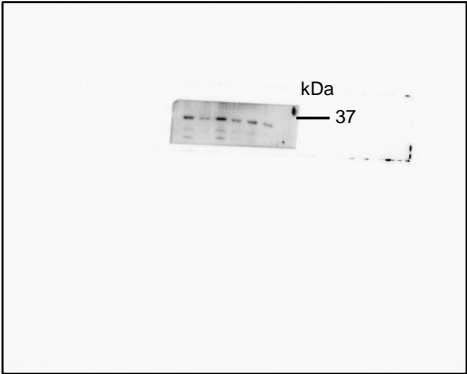


CDK4

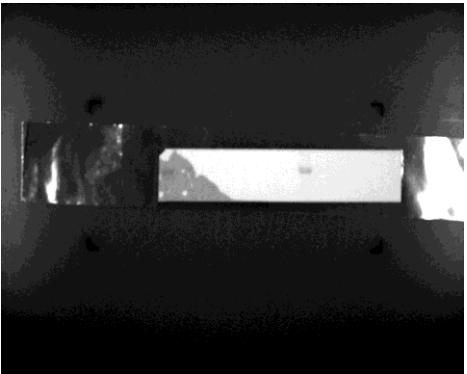
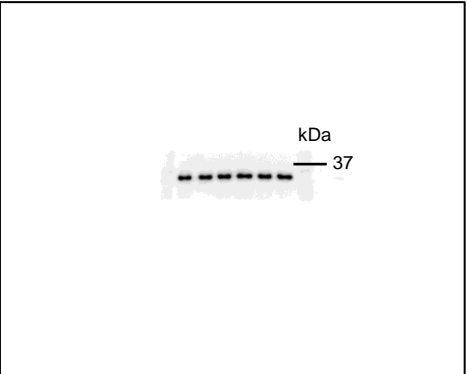


Full unedited blot for Figure 4A

CDK6

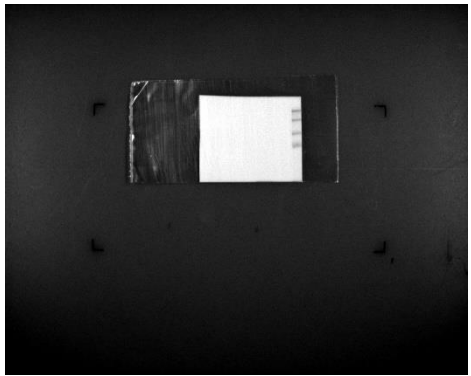
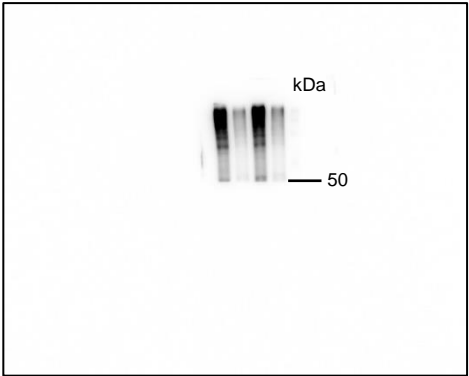


GAPDH

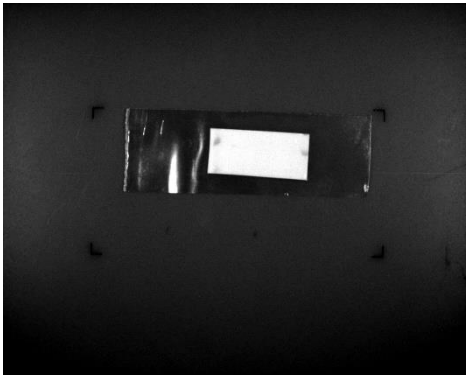
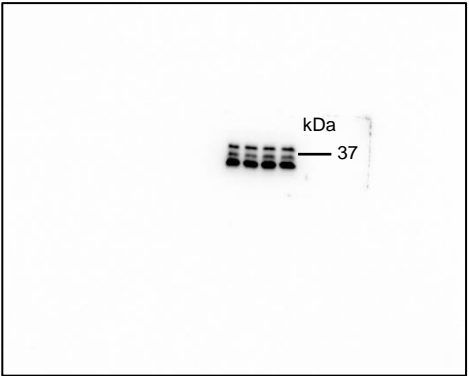


Full unedited blot for Figure 4C

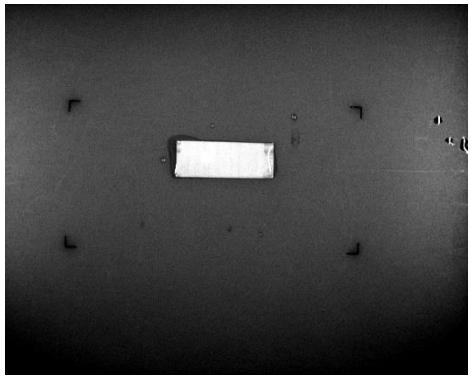
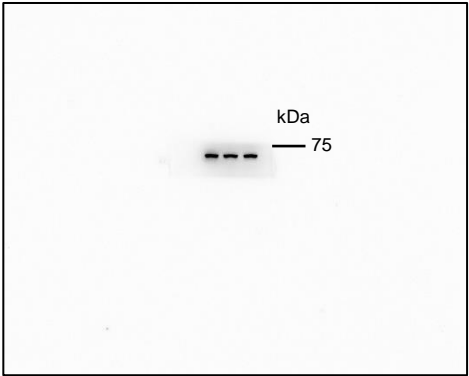
V5-Ub



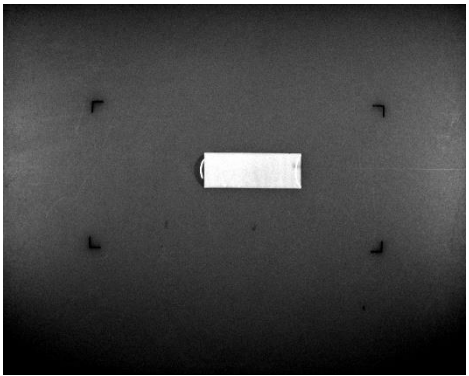
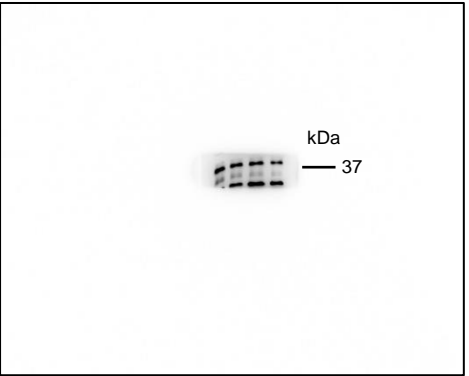
MYC-CDK4



FLAG-CDKL3

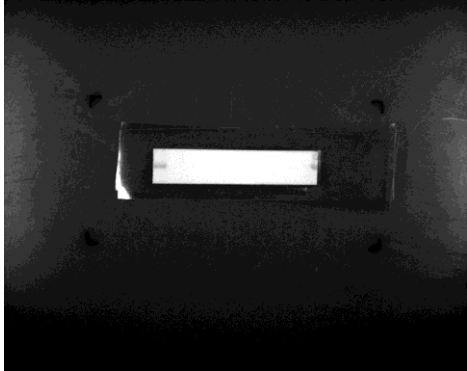
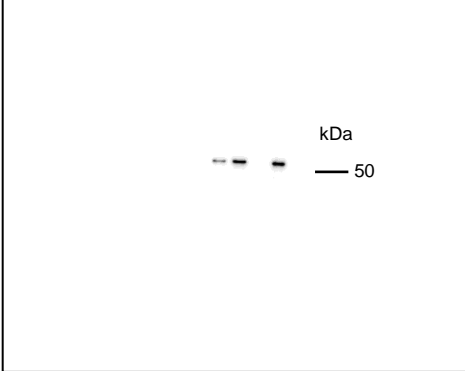


MYC-CDK4

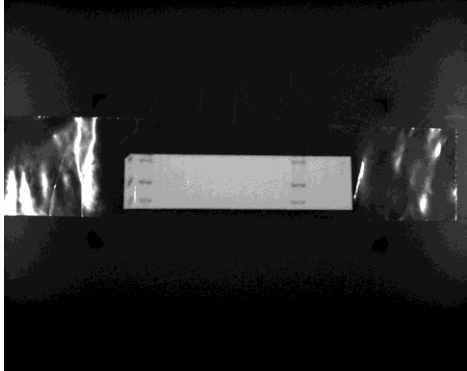
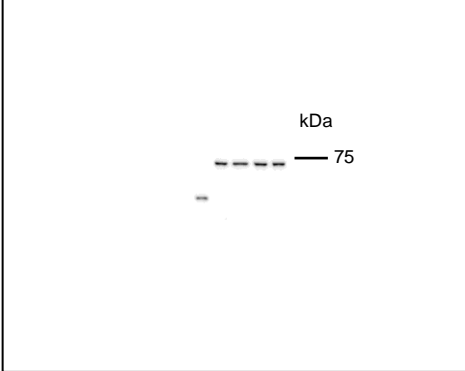


Full unedited blot for Figure 4D

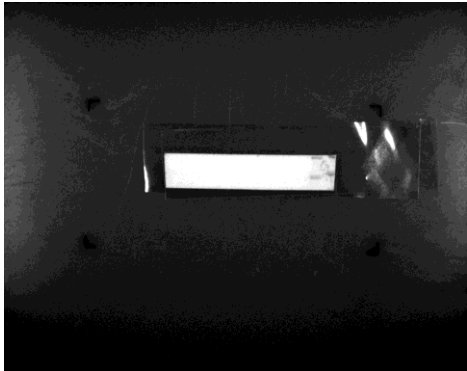
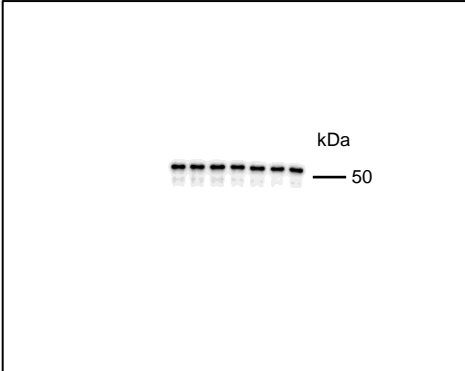
**CDK4
pT172**



FLAG

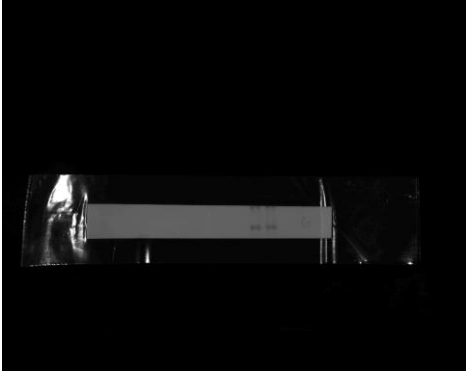
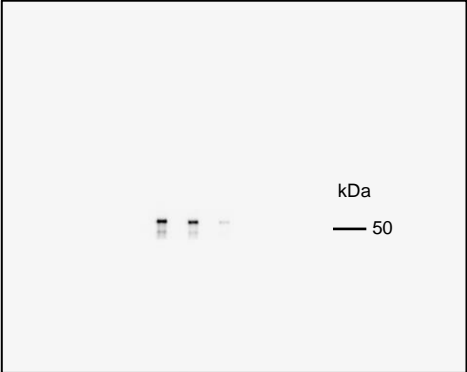


GST

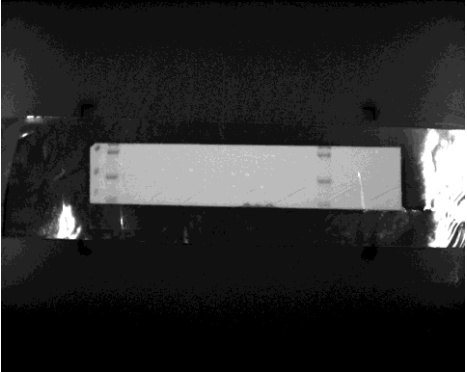
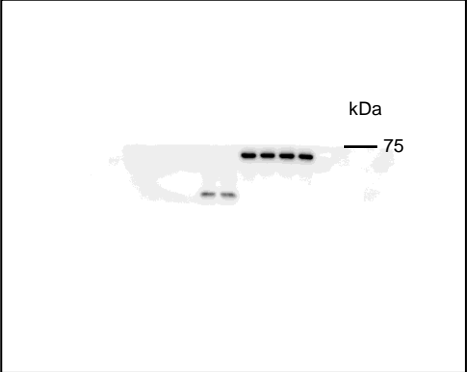


Full unedited blot for Figure 4E

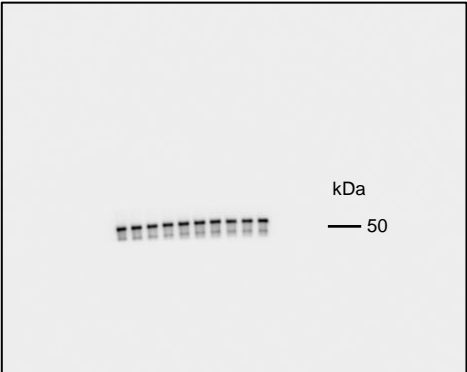
**CDK4
pT172**



FLAG

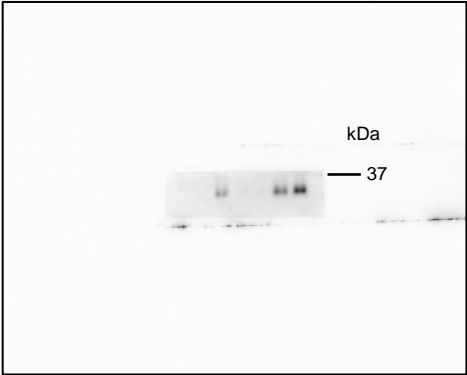


GST

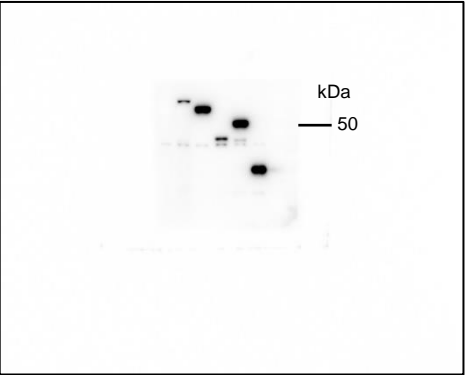


Full unedited blot for Figure 4F

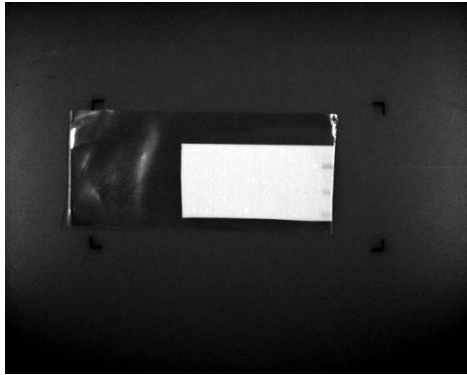
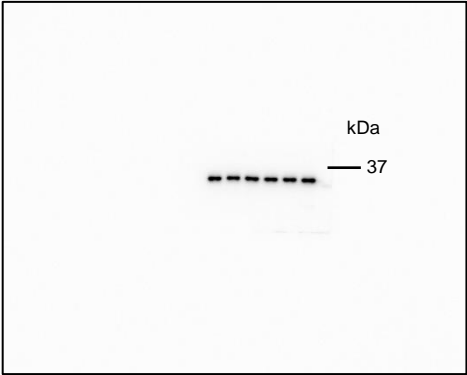
CDK4



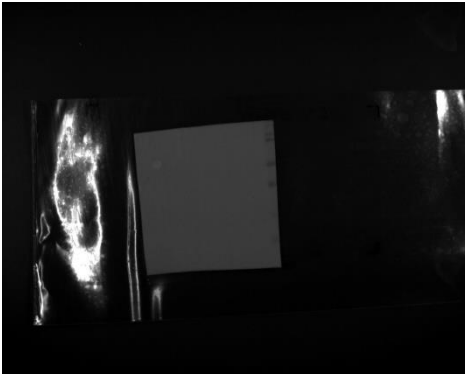
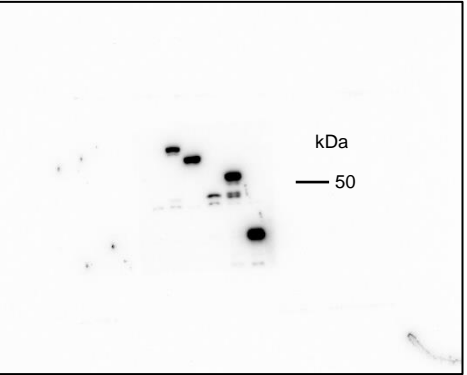
**FLAG
-CDKL3**



CDK4

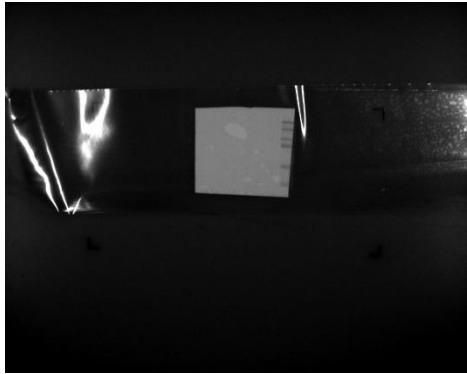
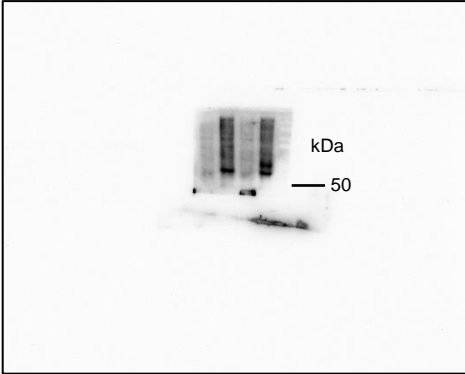


**FLAG
-CDKL3**

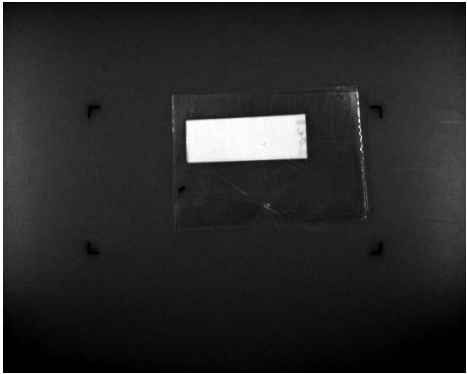
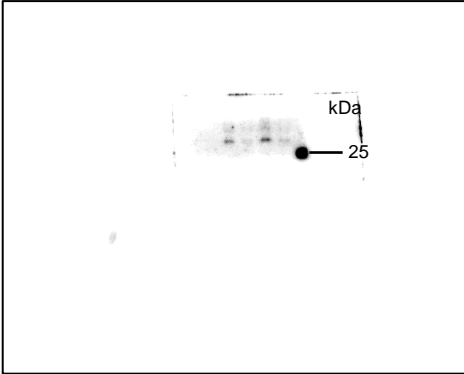


Full unedited blot for Figure 4G

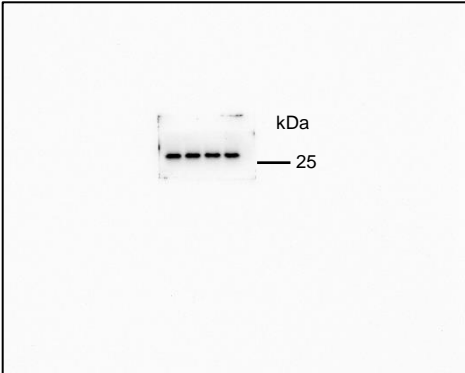
Ub



pT172

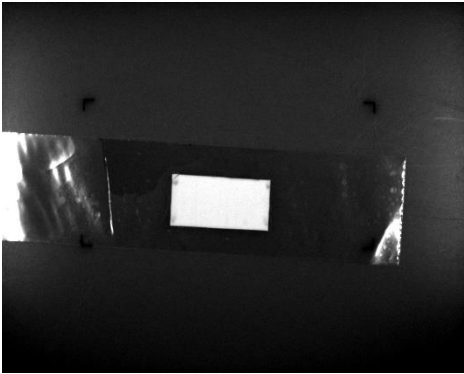
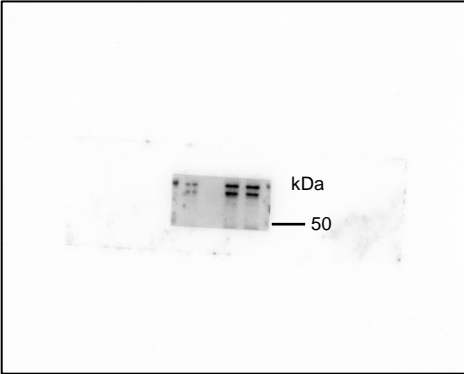


CDK4

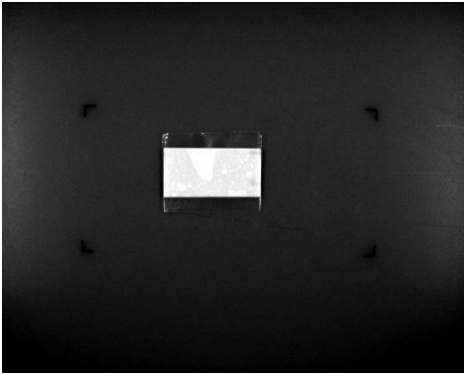
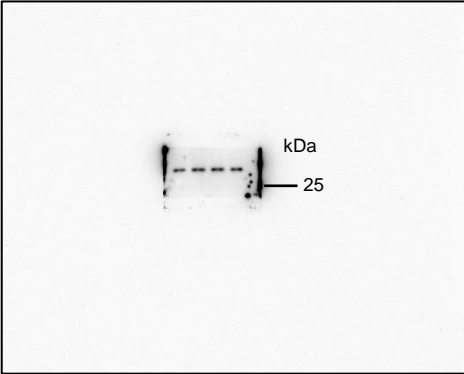


Full unedited blot for Figure 4G

CDKL3

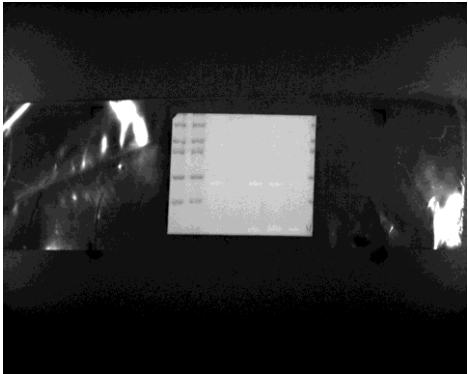
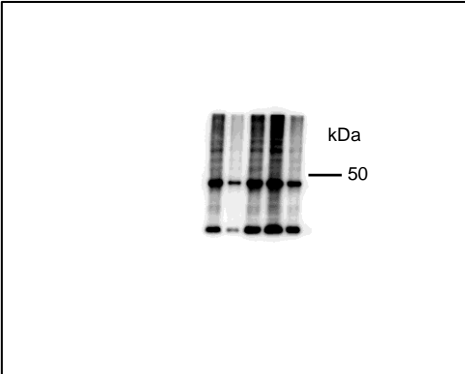


CDK4

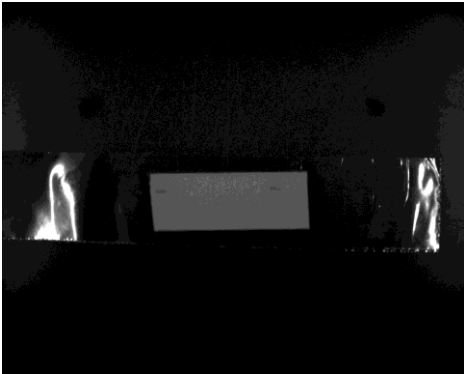
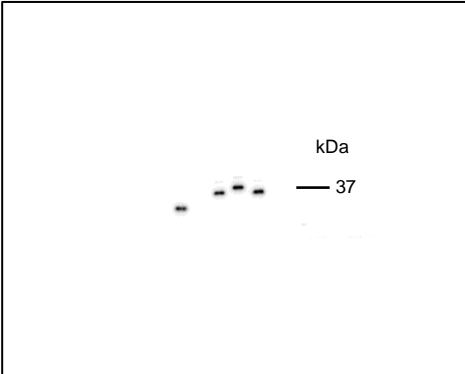


Full unedited blot for Figure 5A

V5-Ub

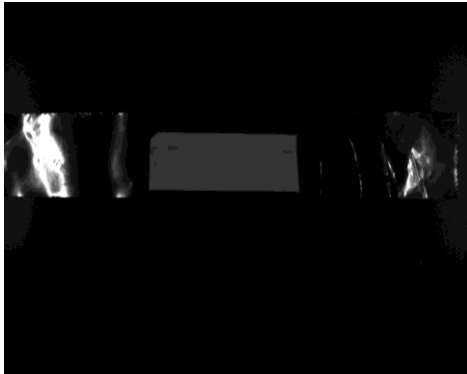
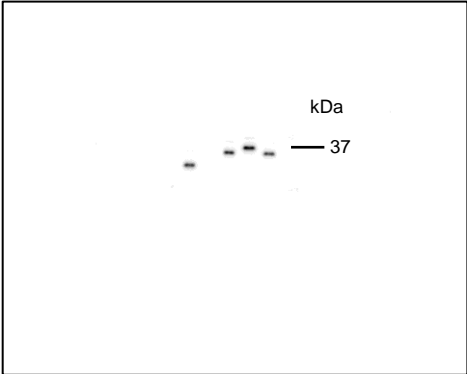


CDK4

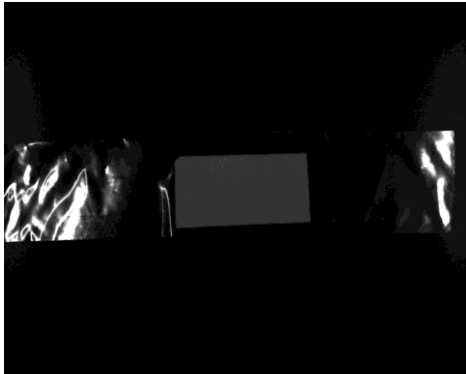
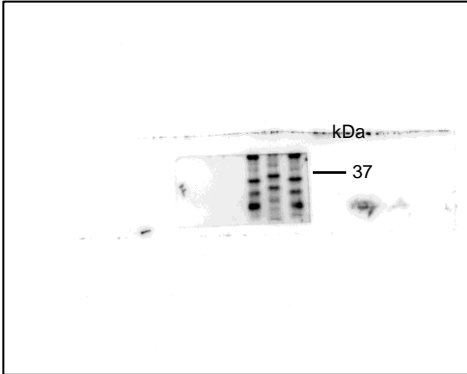


Full unedited blot for Figure 5A

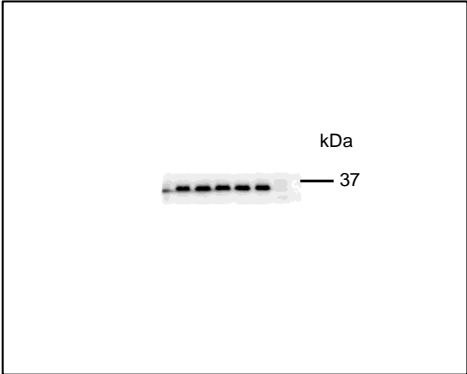
CDK4



**FLAG
-CDK4**

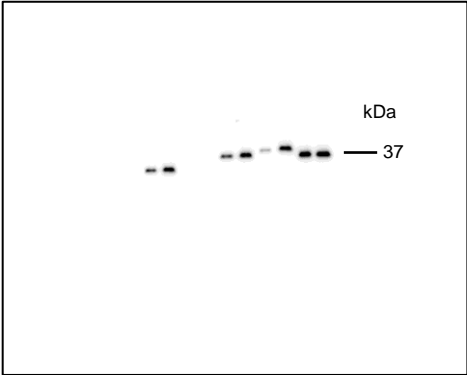


GAPDH

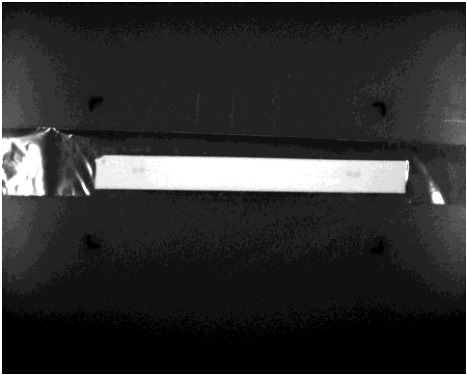
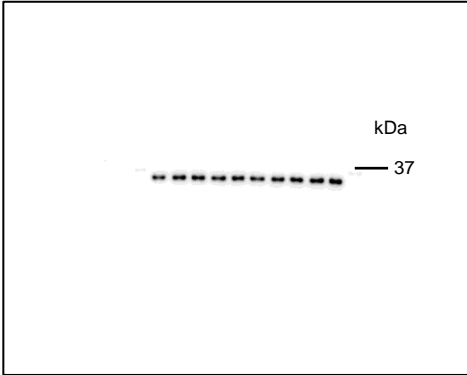


Full unedited blot for Figure 5B

CDK4

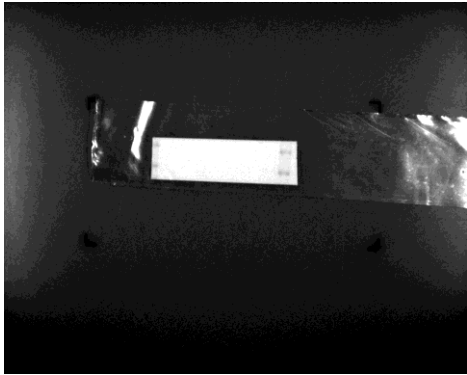
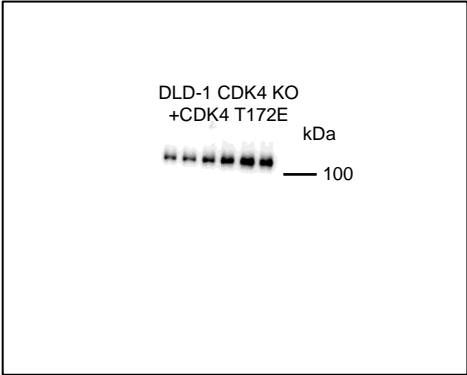
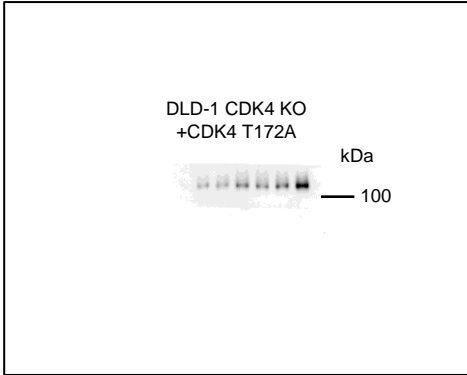
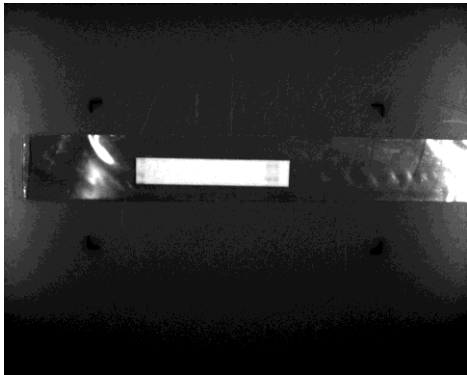
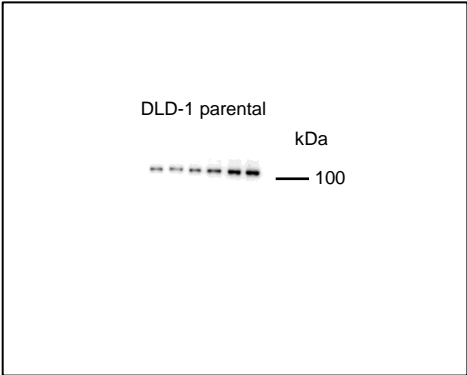


GAPDH



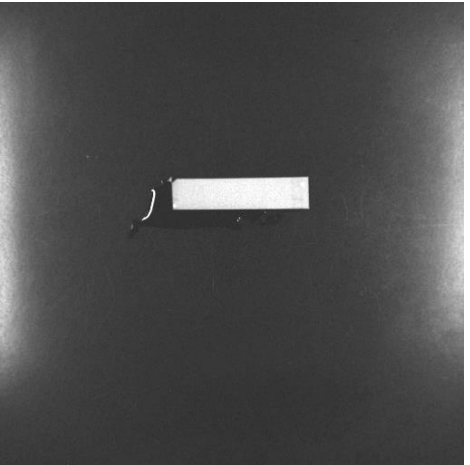
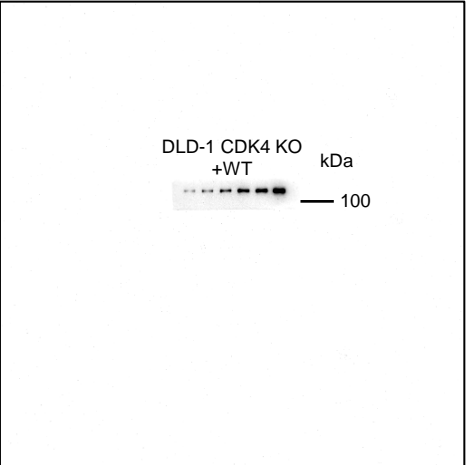
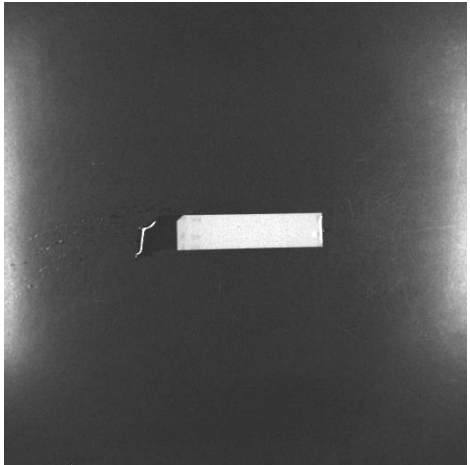
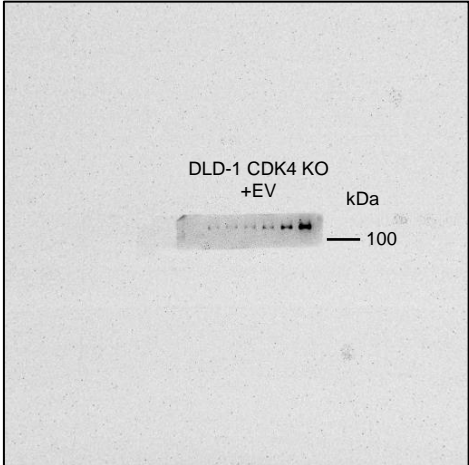
Full unedited blot for Figure 5E

pRb



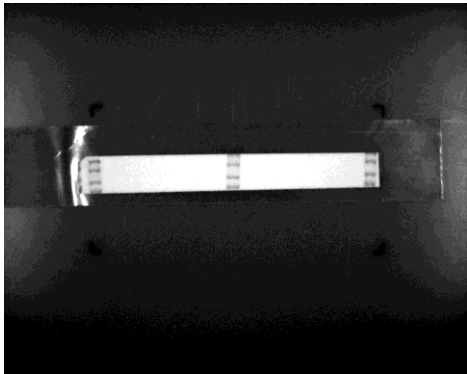
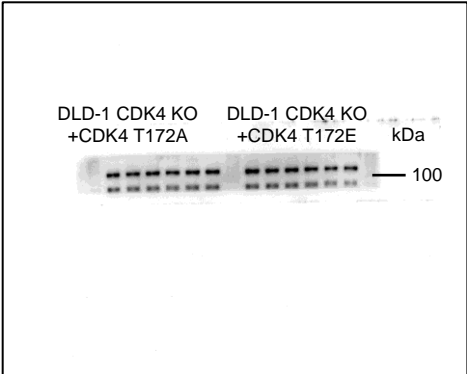
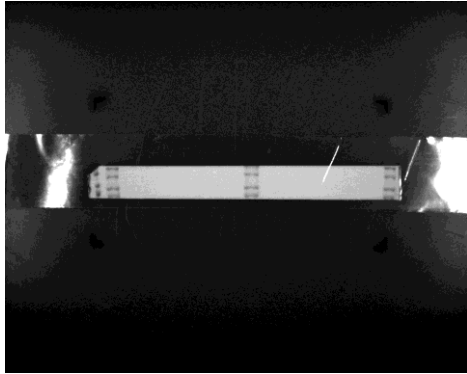
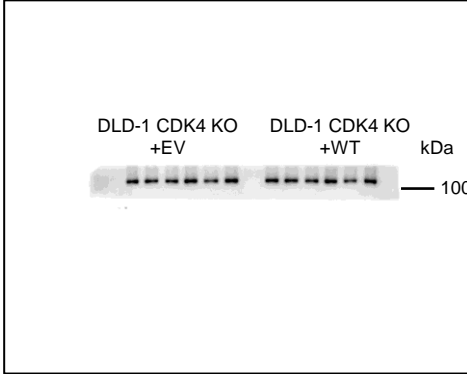
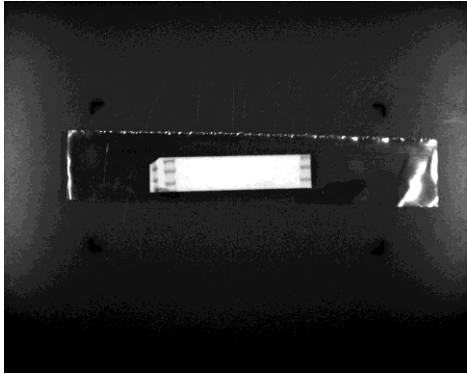
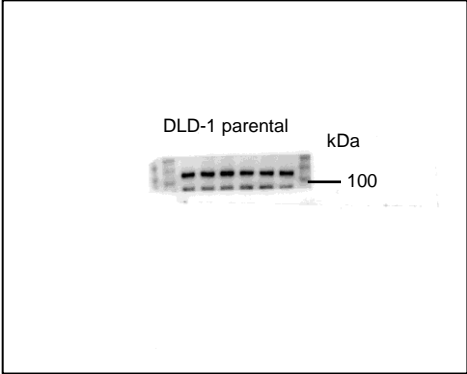
Full unedited blot for Figure 5E

pRb



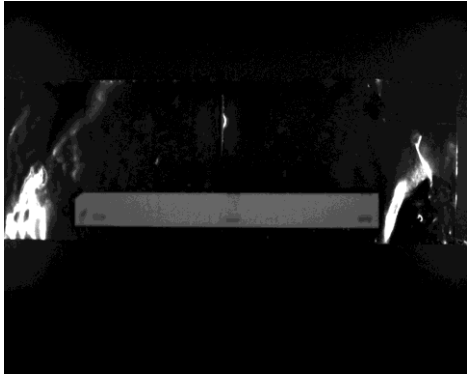
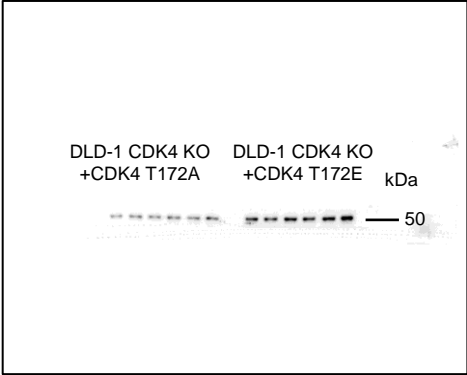
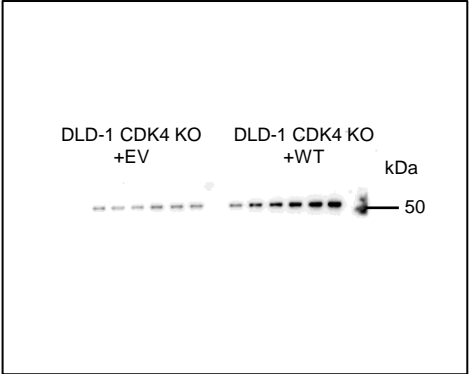
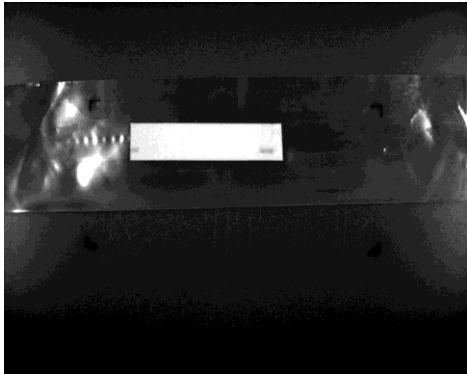
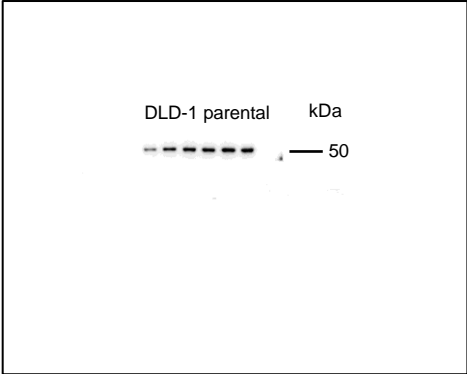
Full unedited blot for Figure 5E

Rb



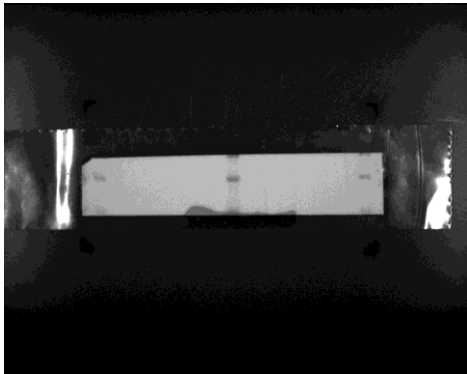
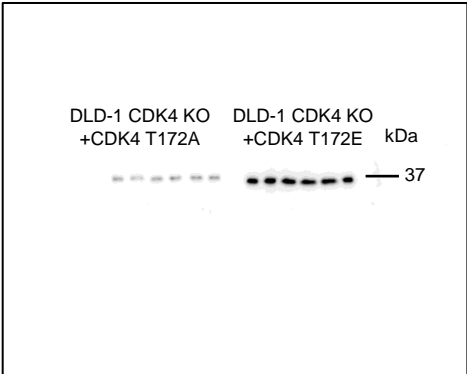
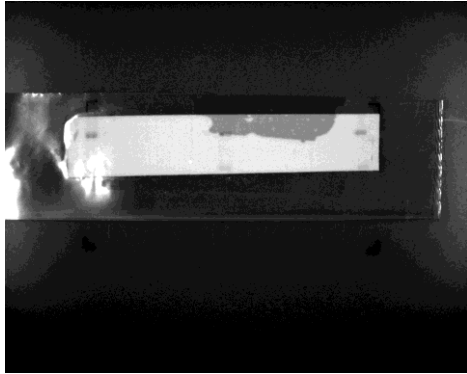
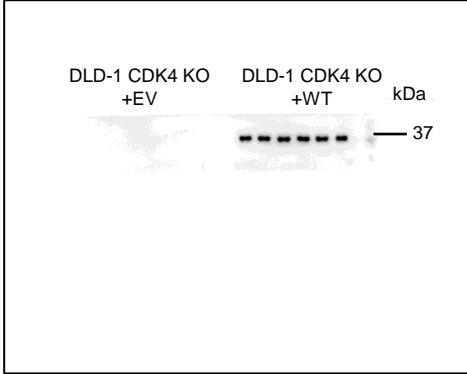
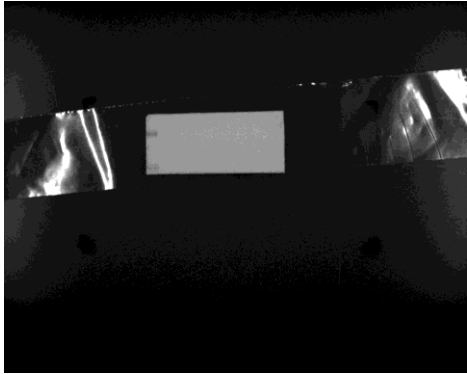
Full unedited blot for Figure 5E

cyclinA2



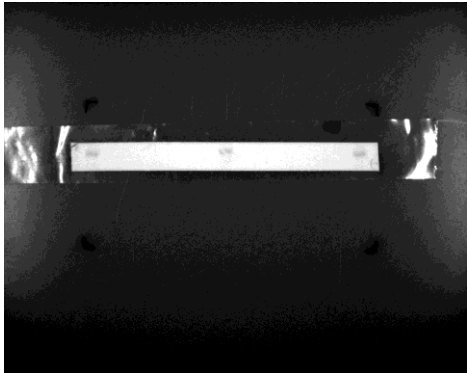
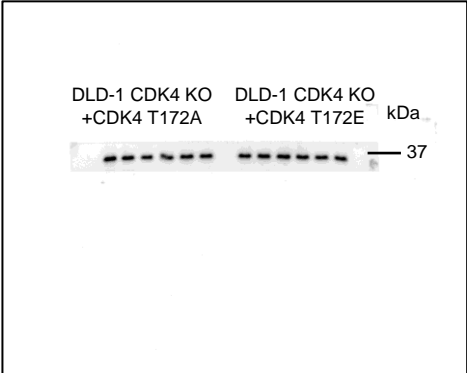
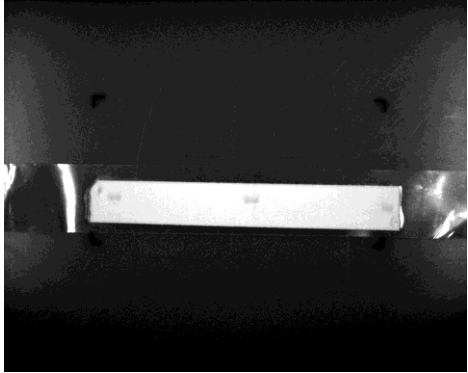
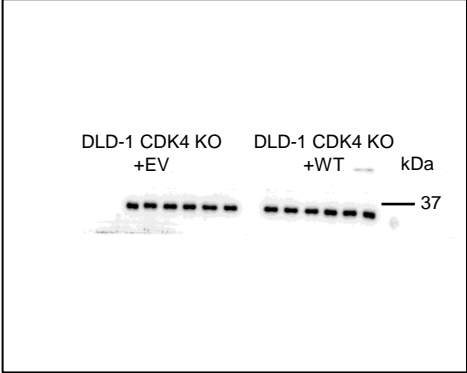
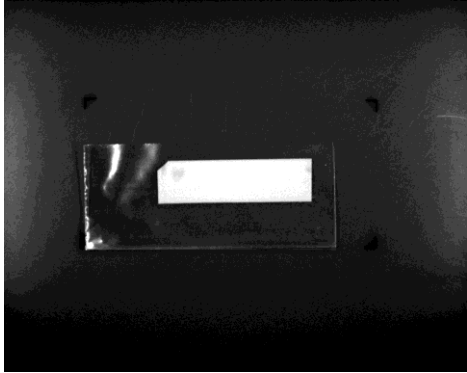
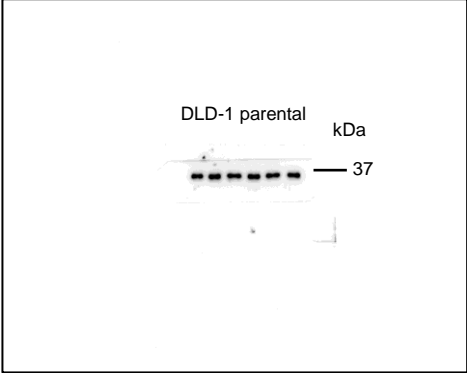
Full unedited blot for Figure 5E

CDK4



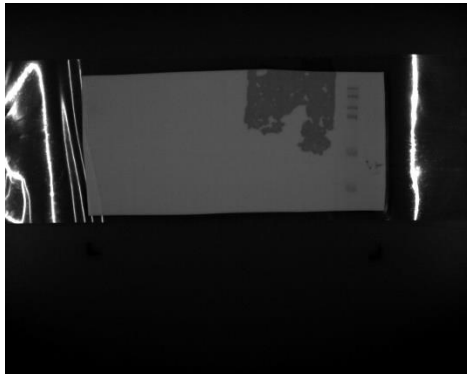
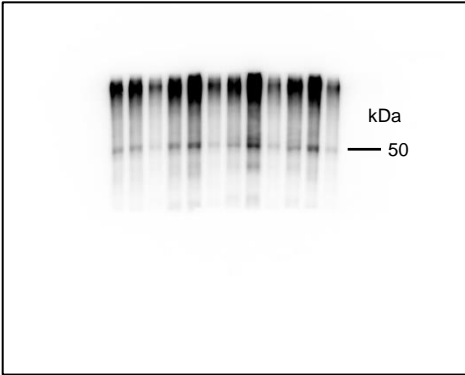
Full unedited blot for Figure 5E

GAPDH

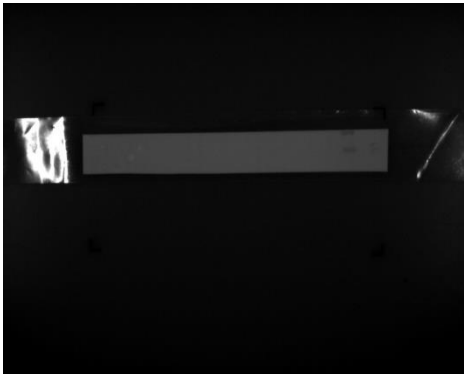
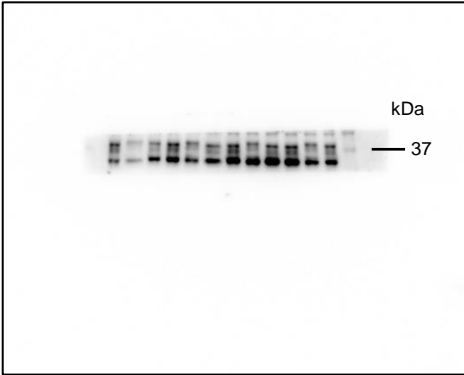


Full unedited blot for Figure 6A

V5-Ub

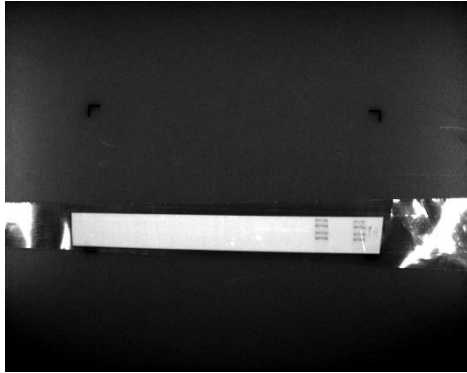
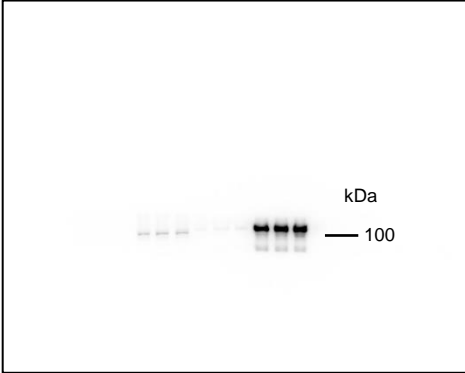


FLAG-
CDK4

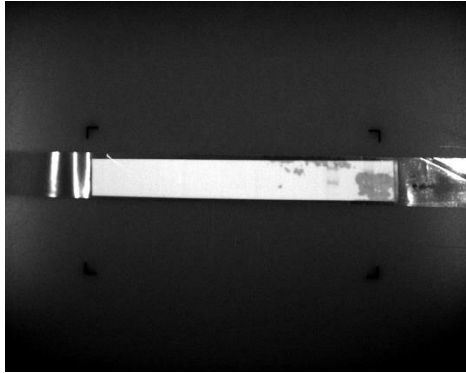
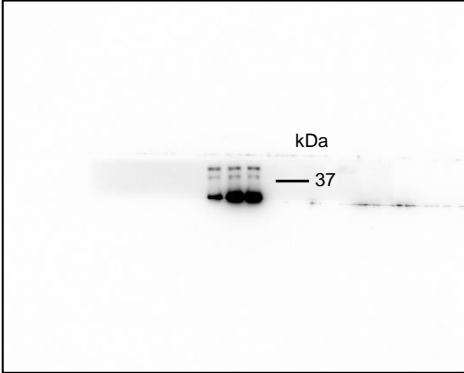


Full unedited blot for Figure 6A

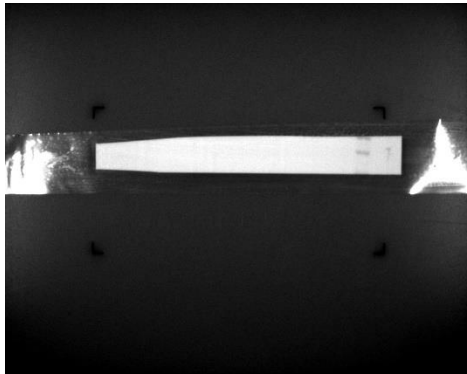
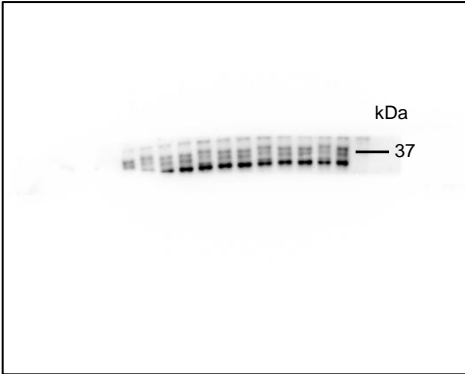
**HA-
UBE3A/
Trim28**



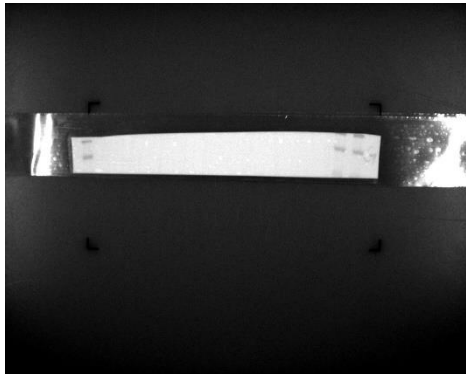
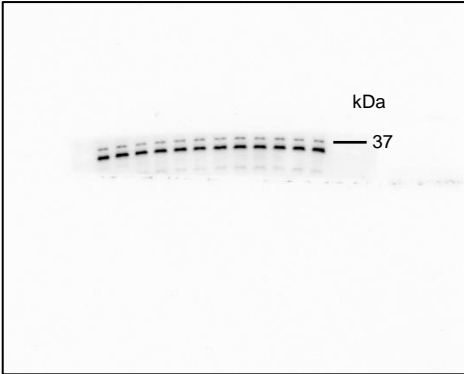
**HA
-Stub1**



**FLAG-
CDK4**

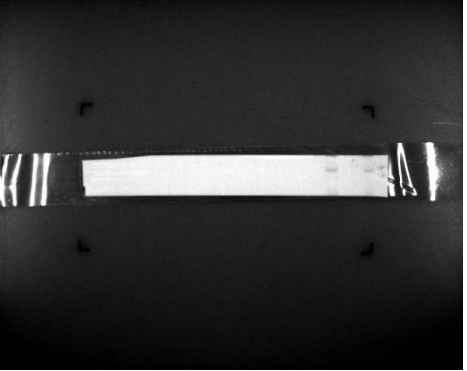
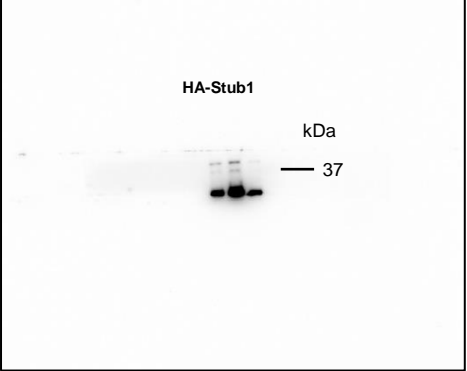
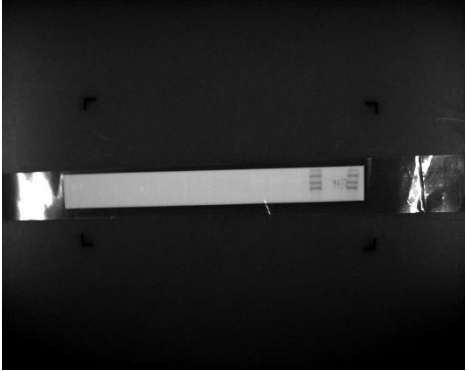
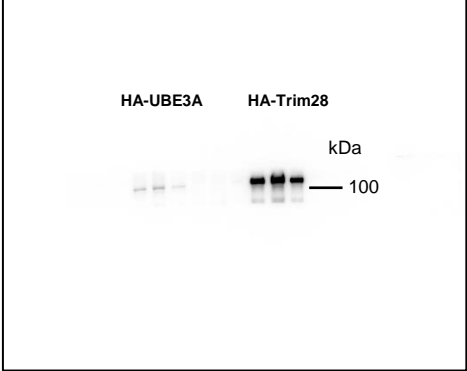


GAPDH

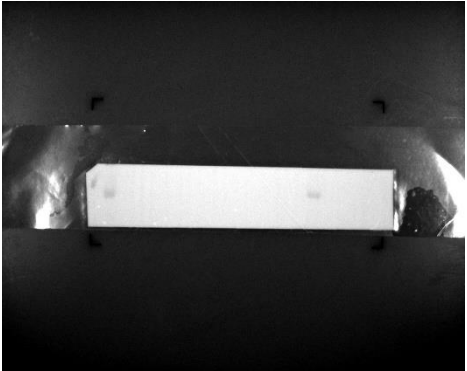
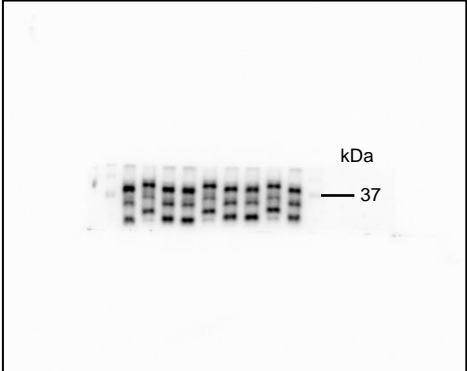


Full unedited blot for Figure 6B

HA

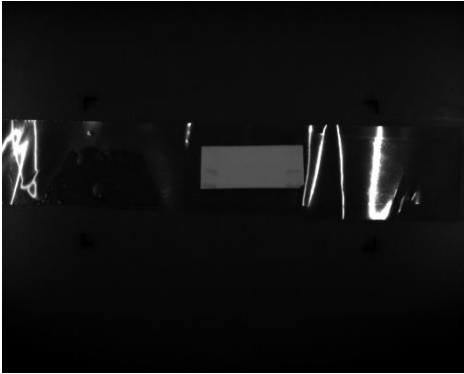
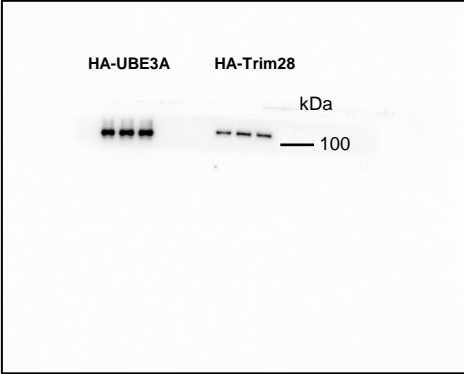


FLAG-
CDK4

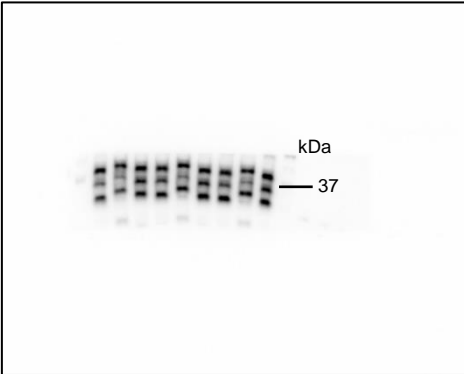


Full unedited blot for Figure 6B

HA

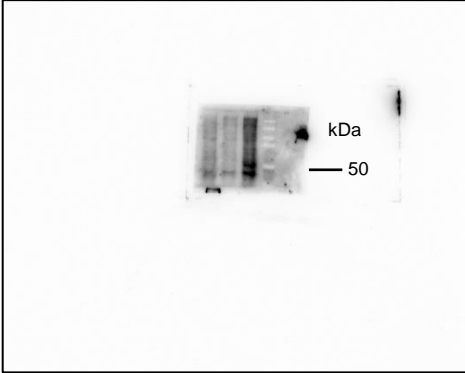


FLAG-
CDK4

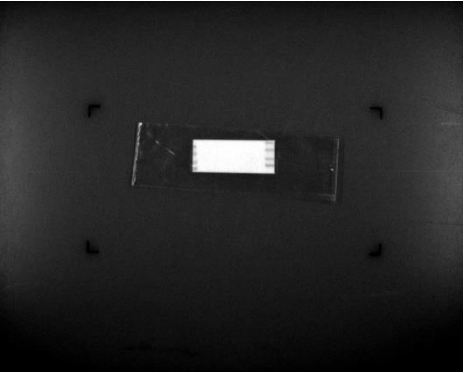
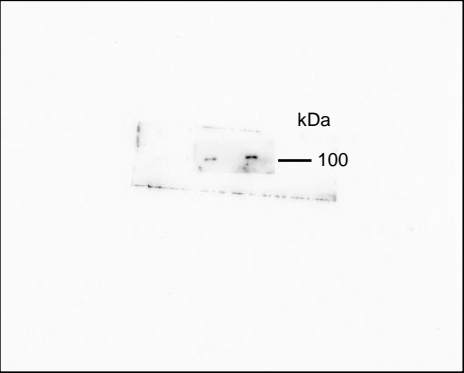


Full unedited blot for Figure 6C

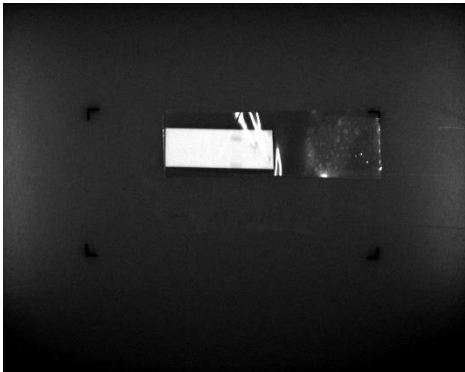
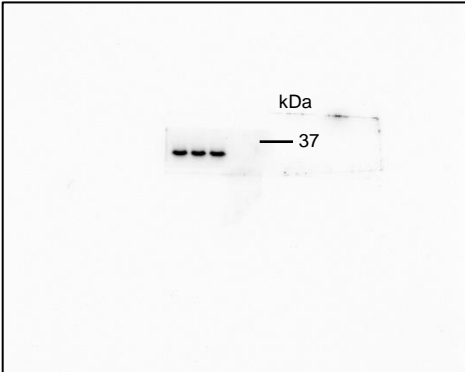
Ub



Trim28

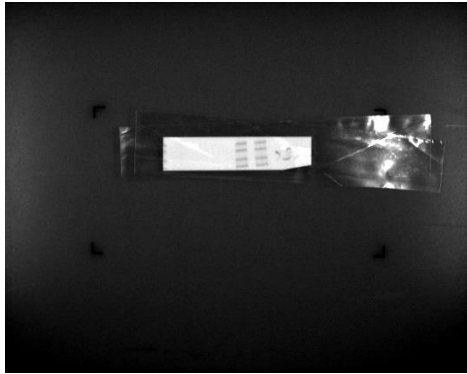
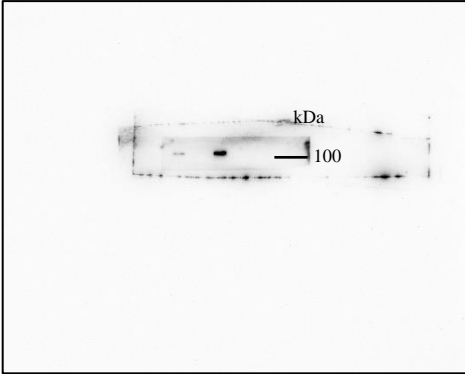


CDK4

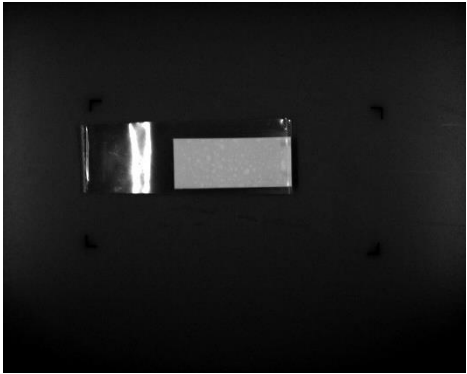
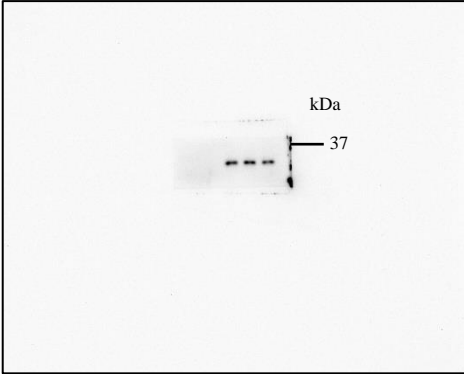


Full unedited blot for Figure 6C

Trim28

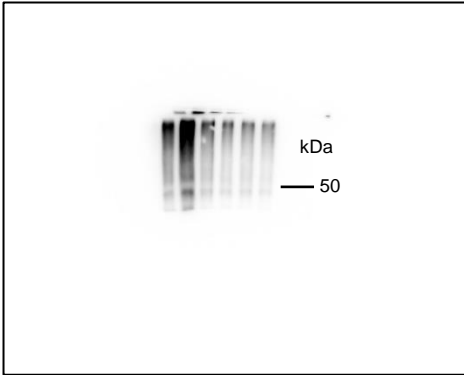


CDK4

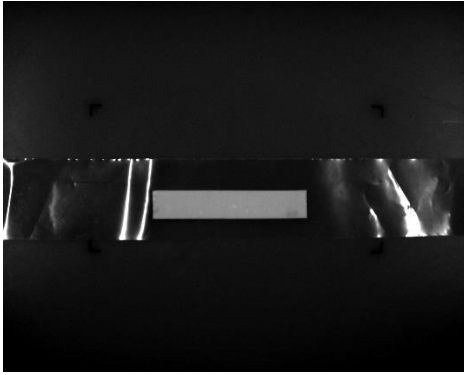
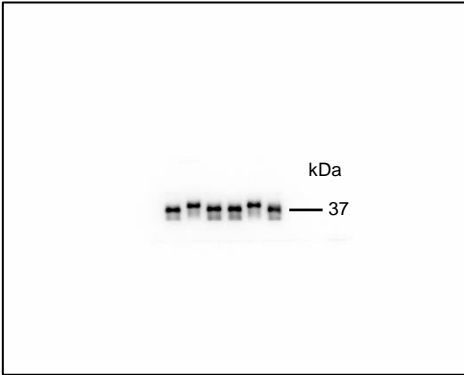


Full unedited blot for Figure 6D

V5-Ub

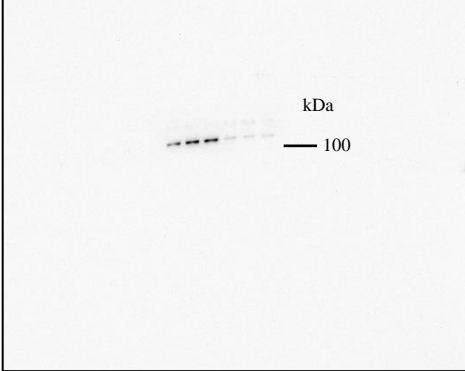


FLAG-CDK4

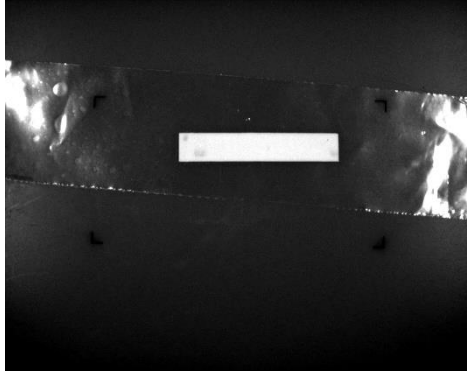
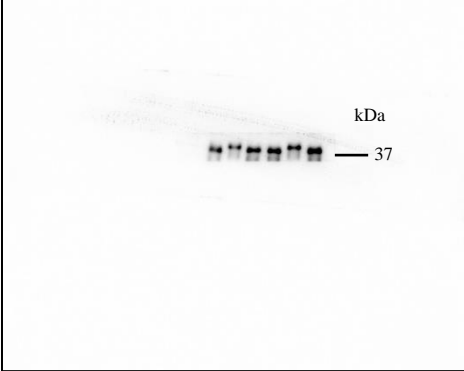


Full unedited blot for Figure 6D

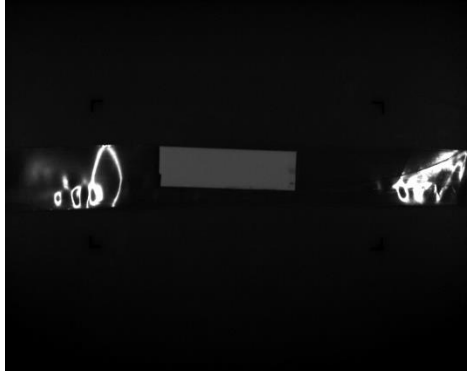
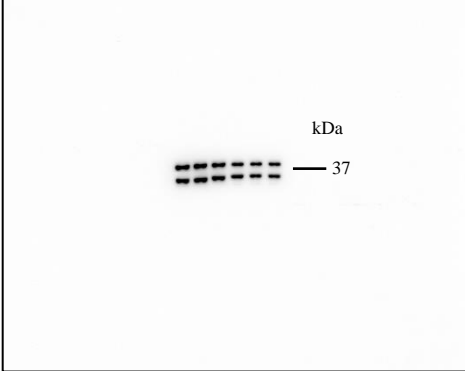
Trim28



FLAG-CDK4

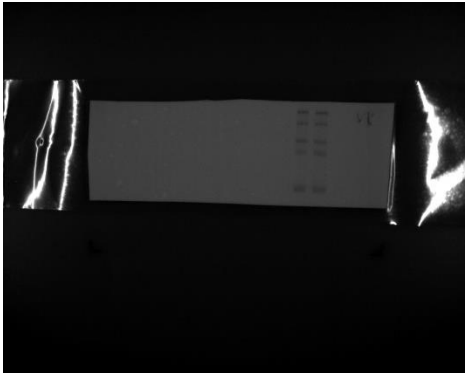
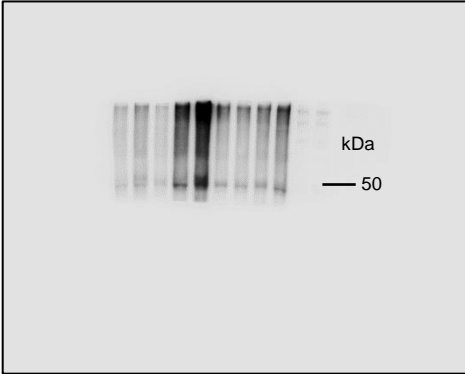


GAPDH

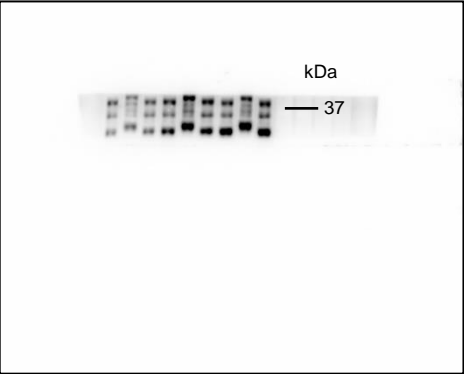


Full unedited blot for Figure 6E

V5-Ub

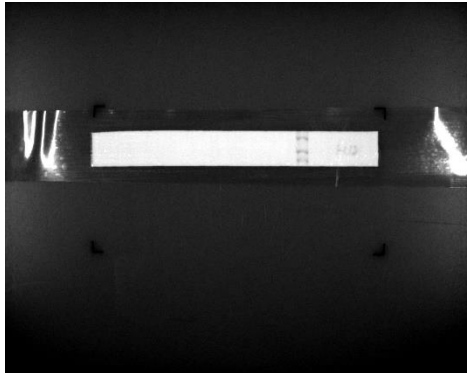
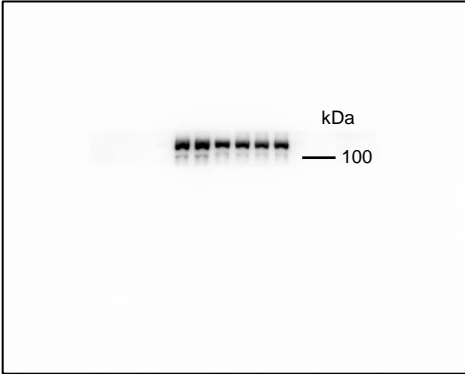


FLAG-CDK4

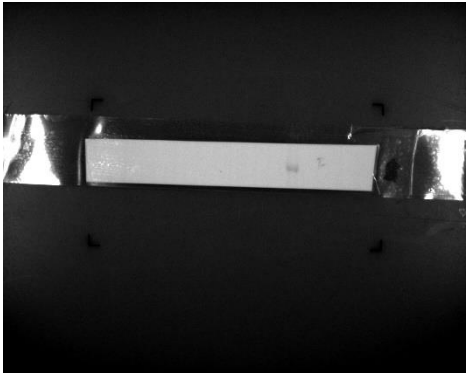
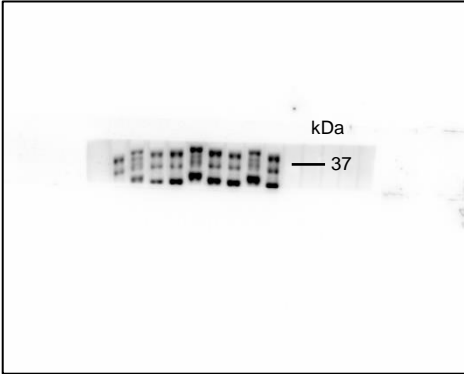


Full unedited blot for Figure 6E

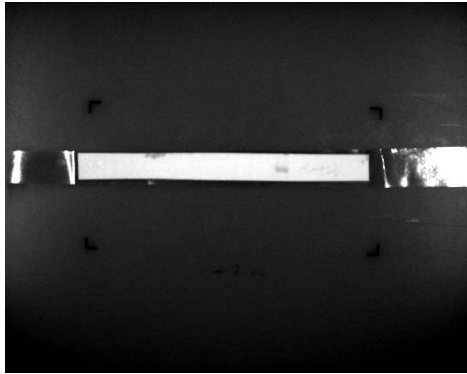
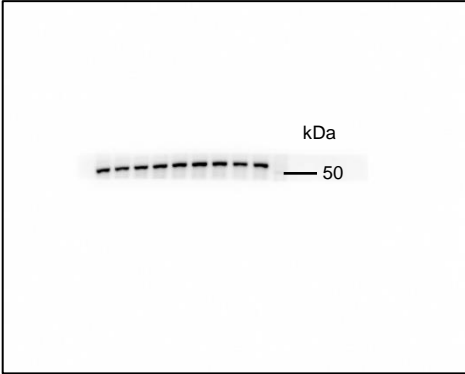
HA-Trim28



FLAG-CDK4

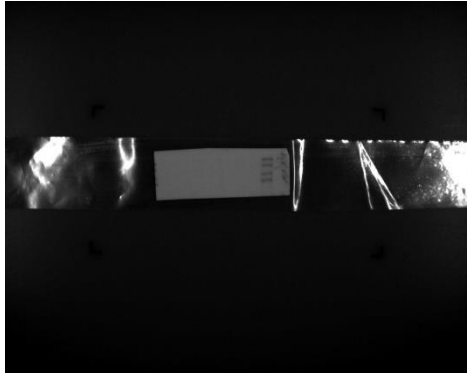
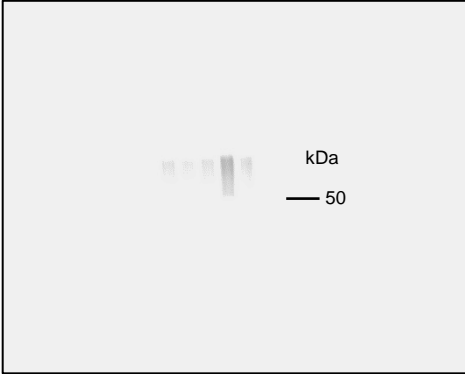


α -tubulin

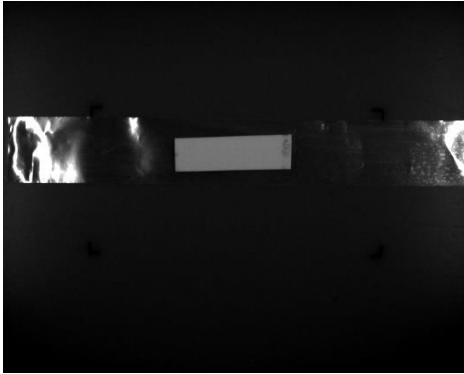
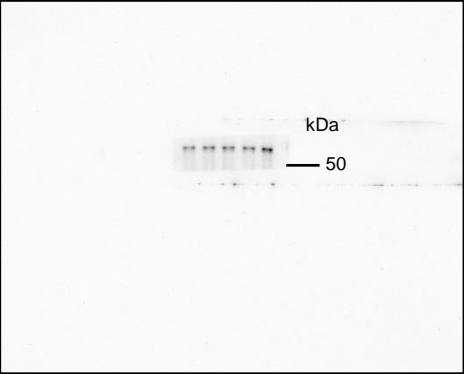


Full unedited blot for Figure 6F

Ub

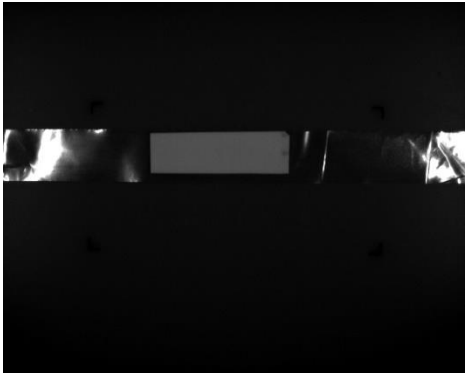
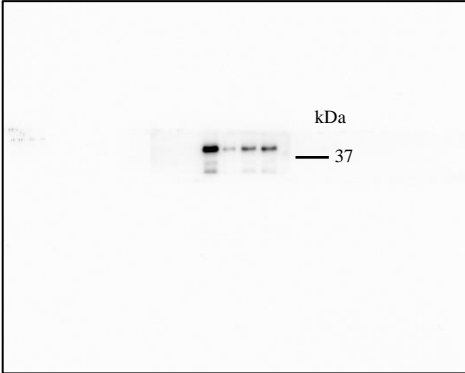


GST

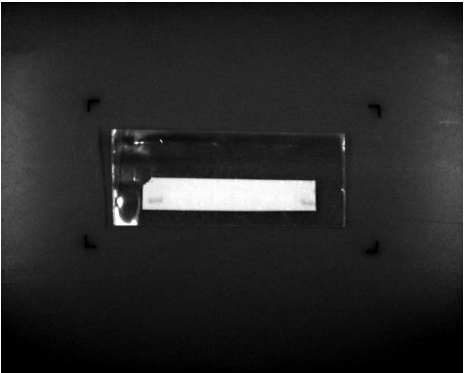
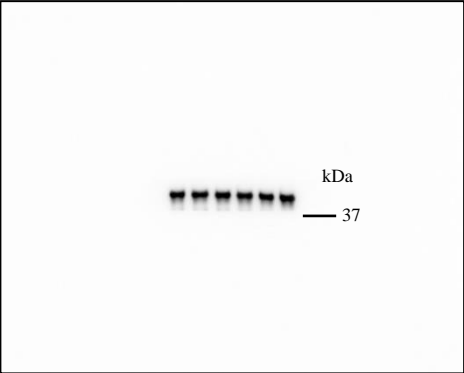


Full unedited blot for Figure 7B

pRb

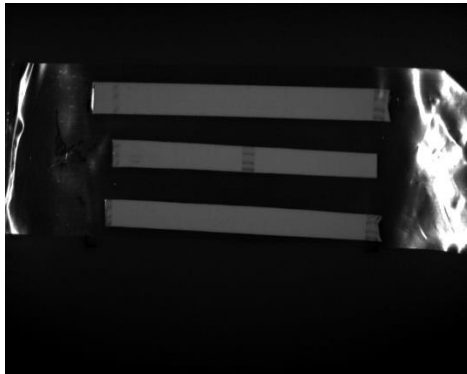
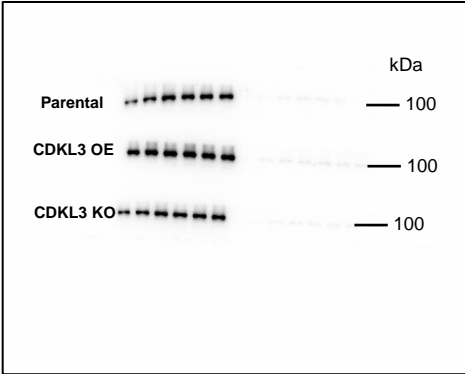


GST

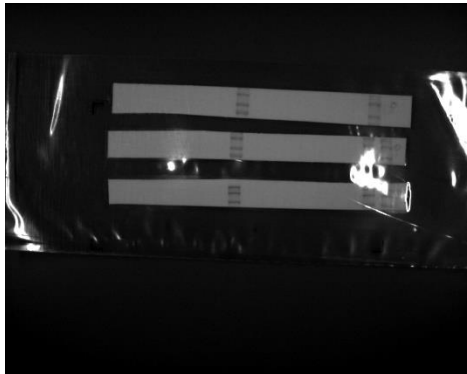
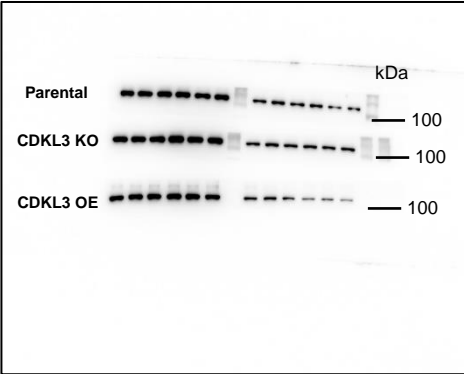


Full unedited blot for Figure 7C

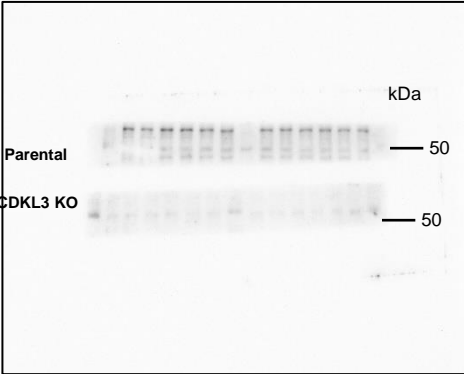
pRb



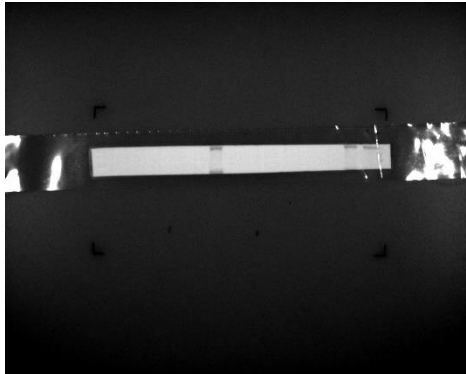
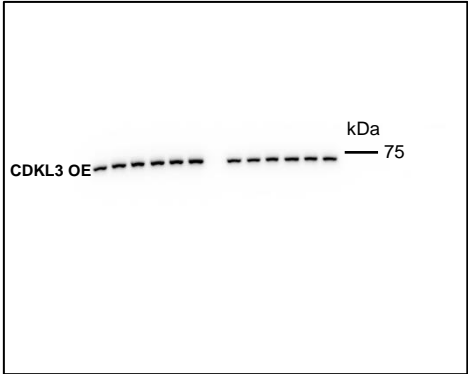
Rb



CDKL3

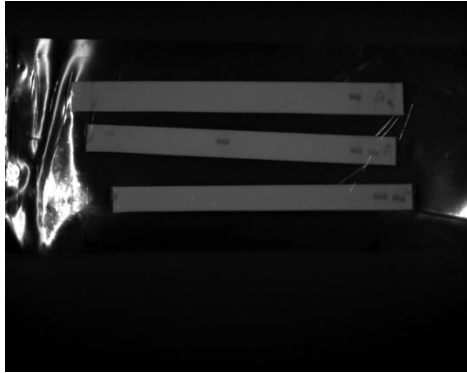
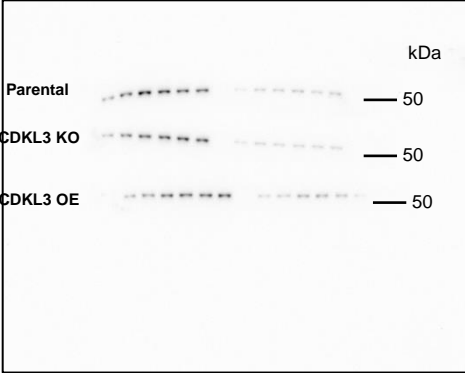


CDKL3 OE

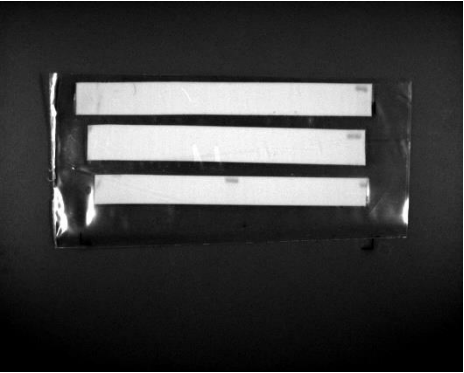
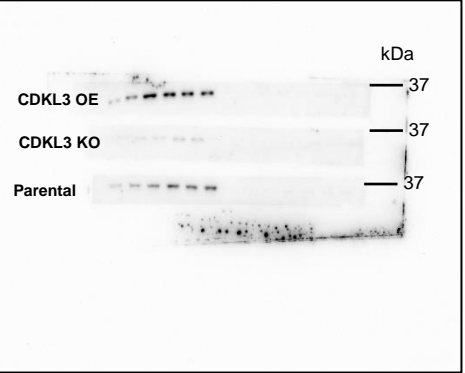


Full unedited blot for Figure 7C

cyclinA2



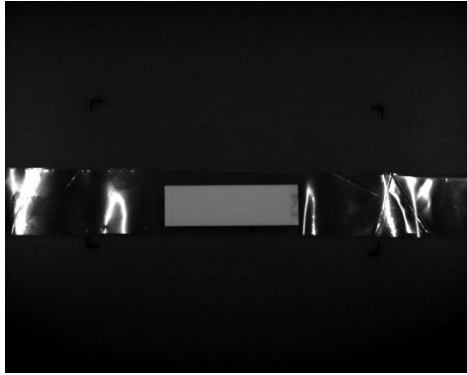
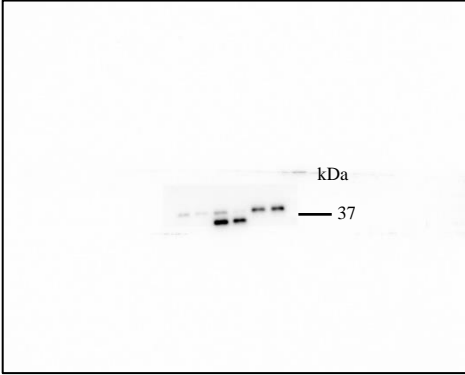
cyclinD1



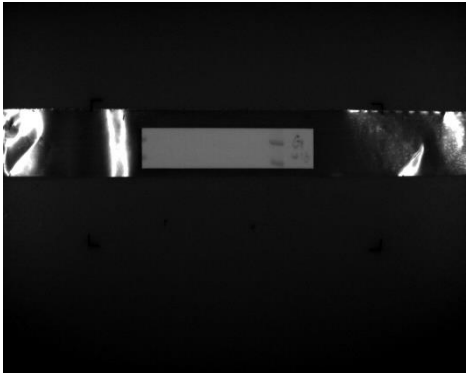
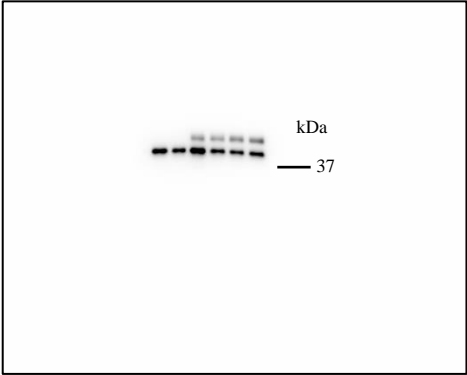
(GAPDH in Fig.7E)

Full unedited blot for Figure 7D

pRb

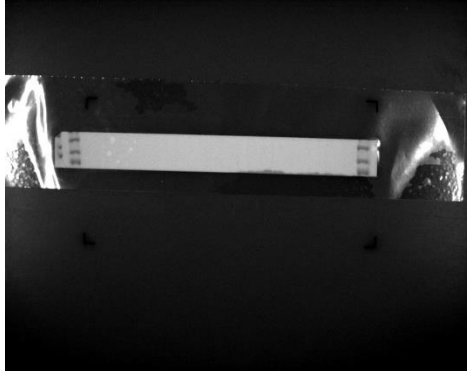
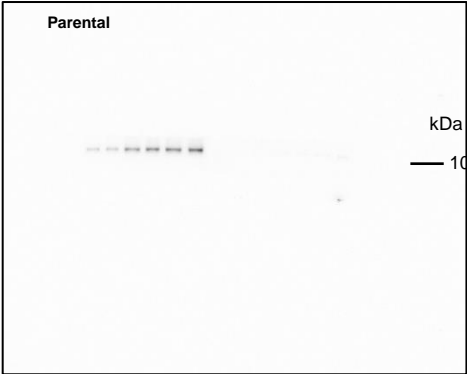


GST

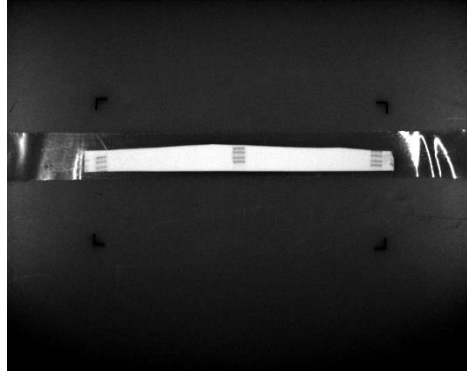
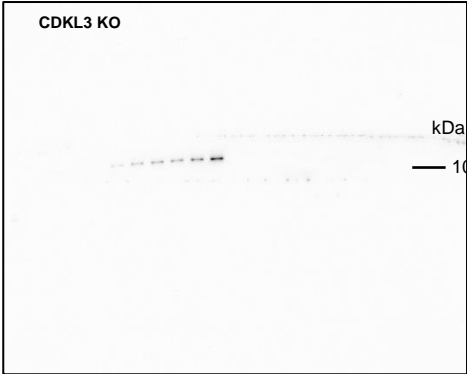


Full unedited blot for Figure 7E

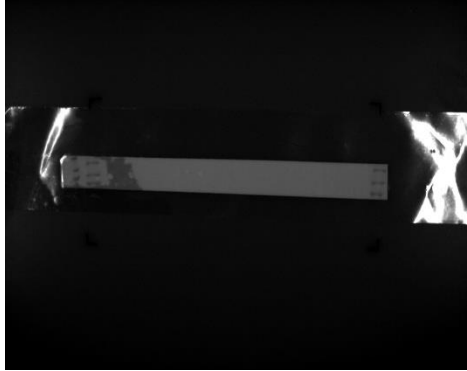
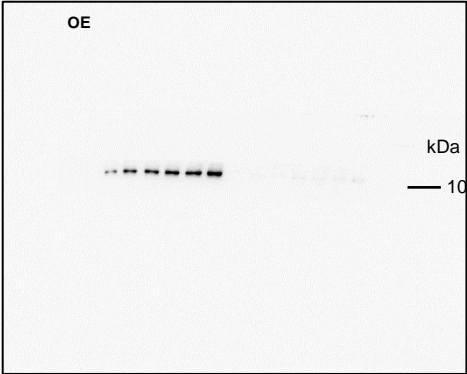
pRb



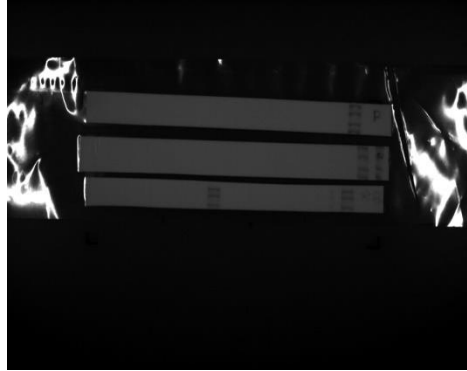
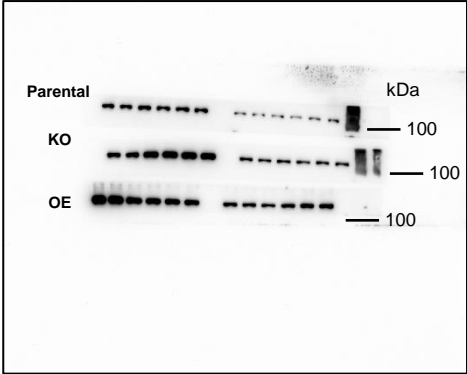
pRb



pRb

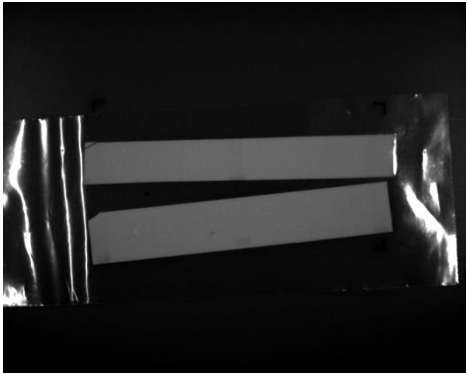
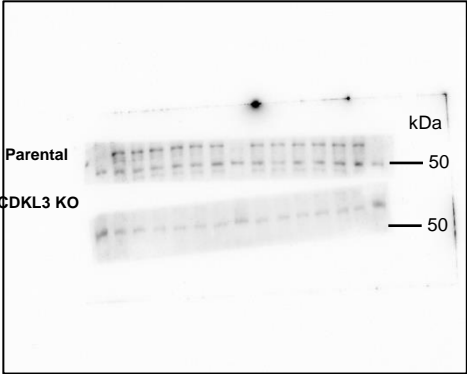


Rb

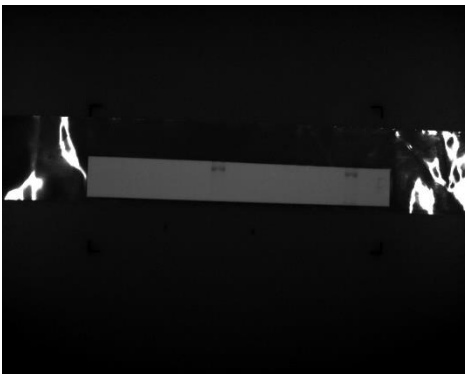
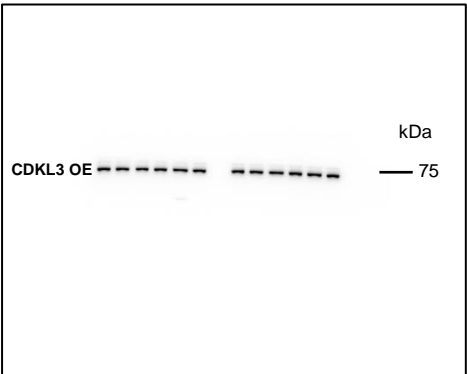


Full unedited blot for Figure 7E

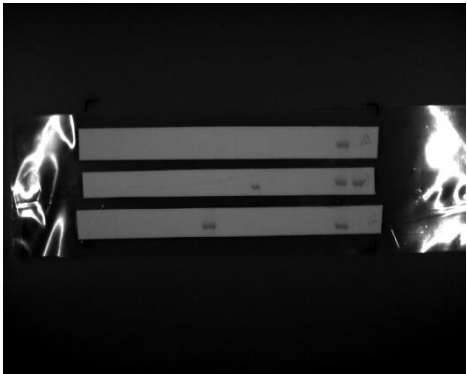
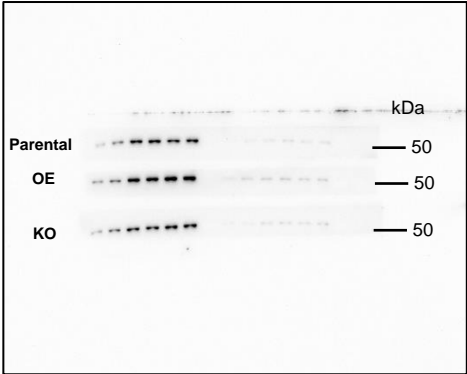
CDKL3



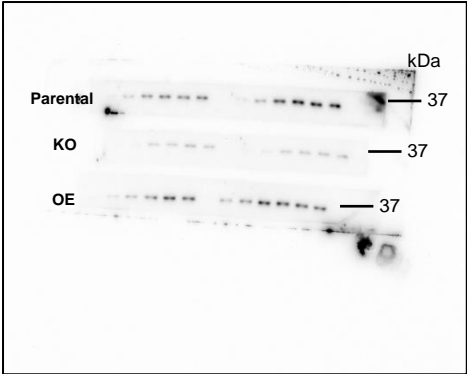
**FLAG-
-CDKL3**



cyclinA2

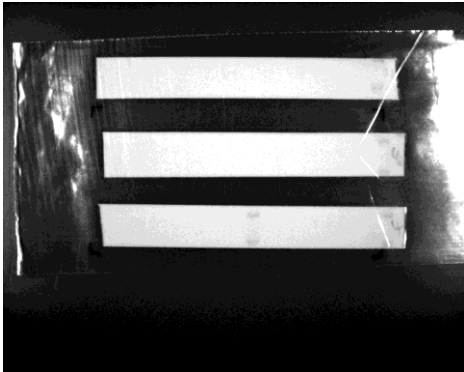
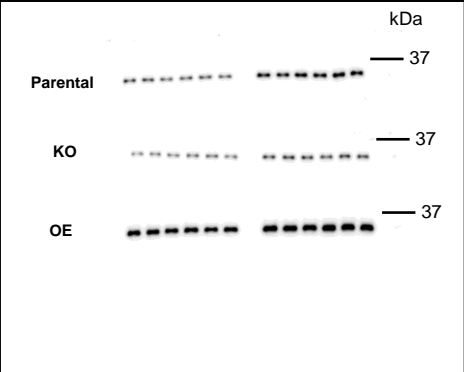


cyclinD1

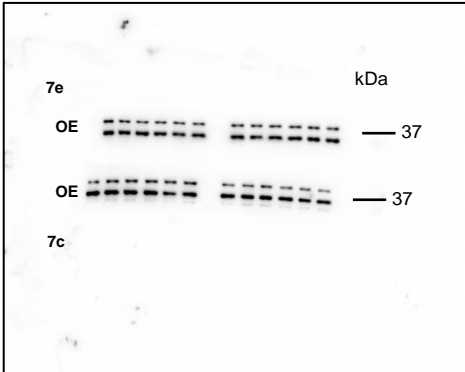
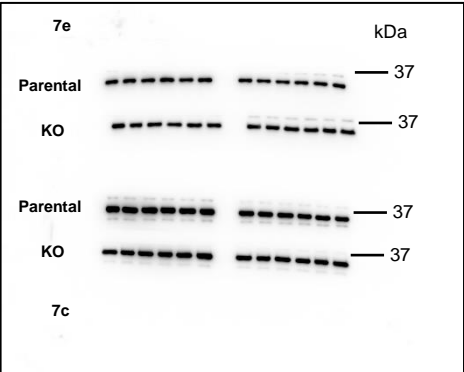


Full unedited blot for Figure 7E

CDK4

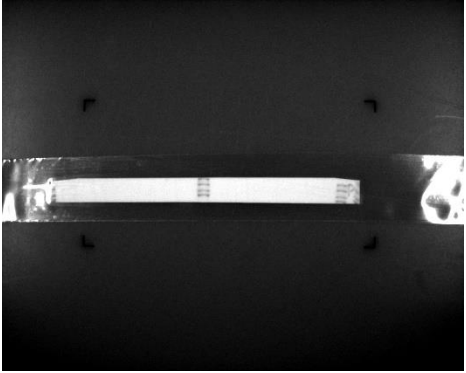
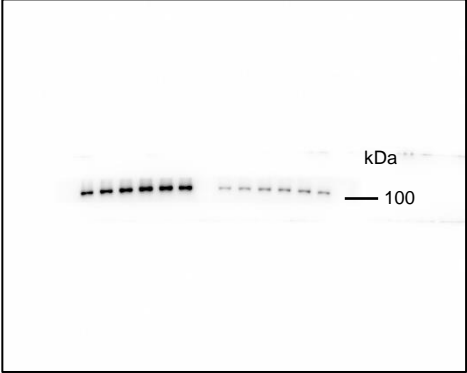
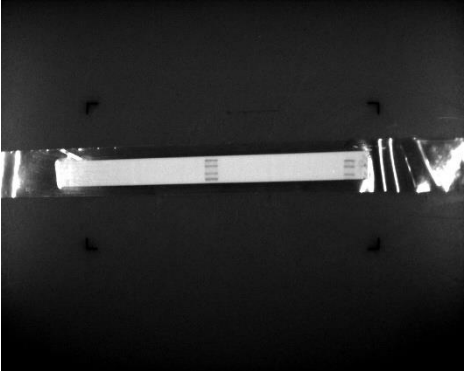
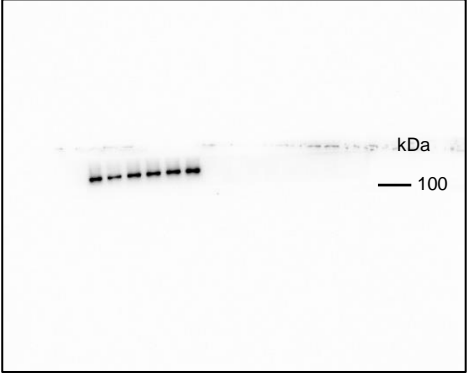


GAPDH

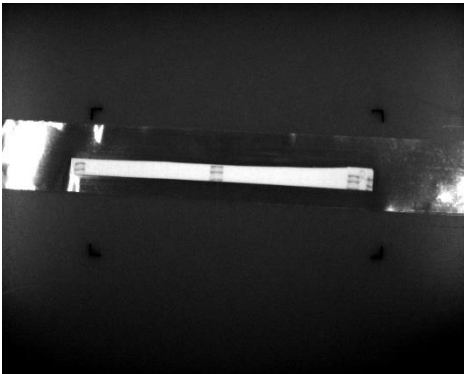
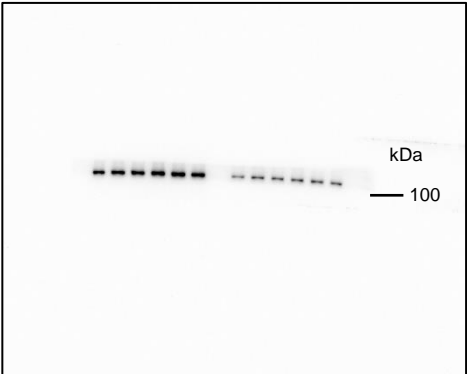
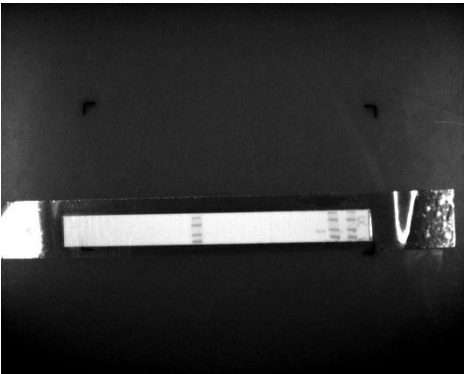
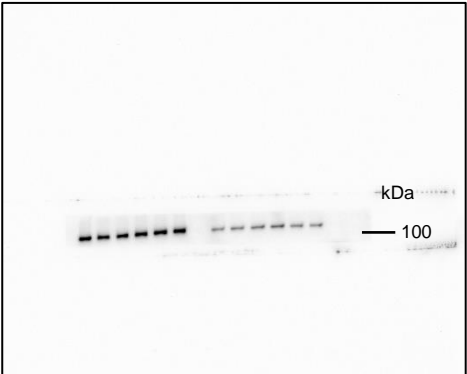


Full unedited blot for Figure 7F

pRb

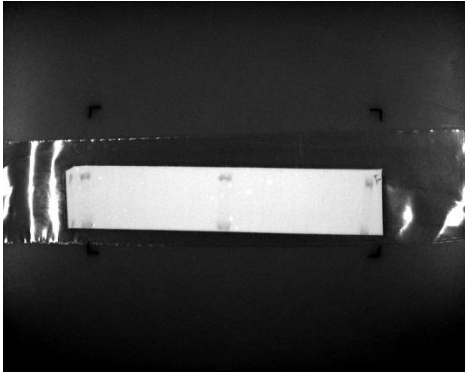
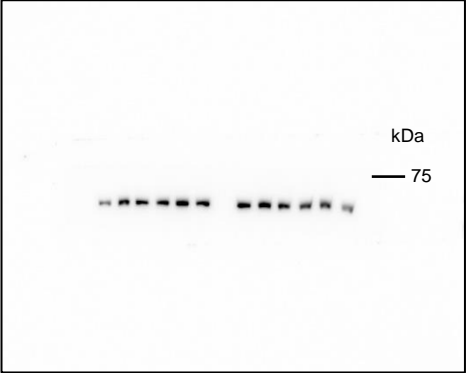
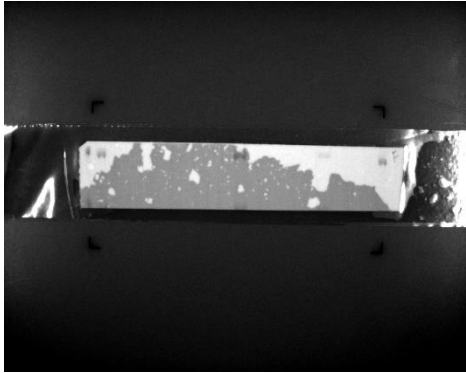
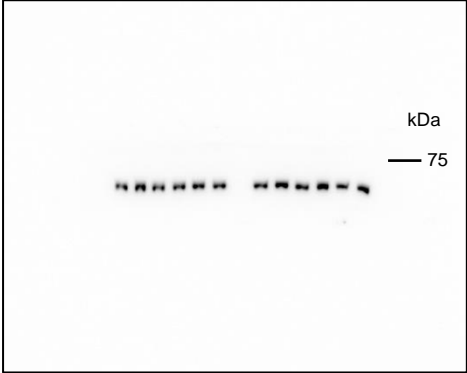


Rb

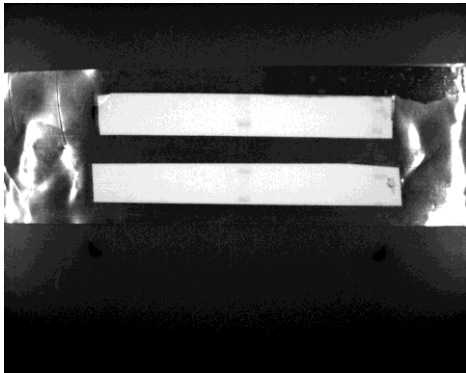
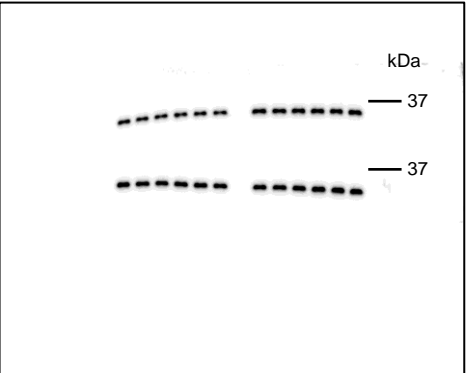


Full unedited blot for Figure 7F

**FLAG
-CDKL3**

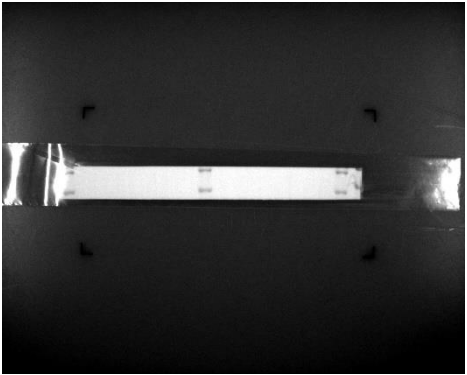
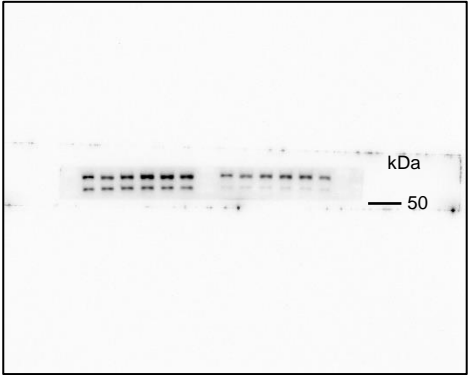
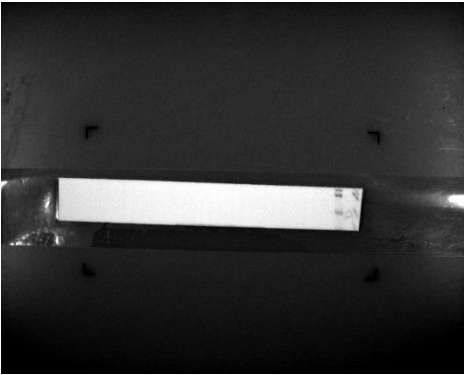


CDK4

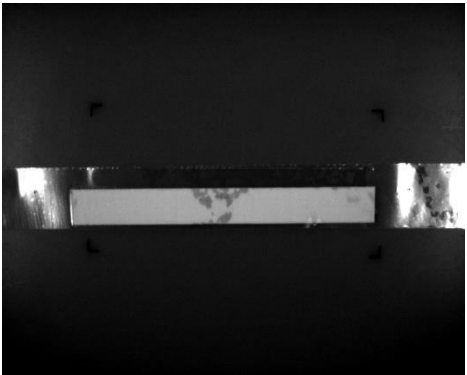
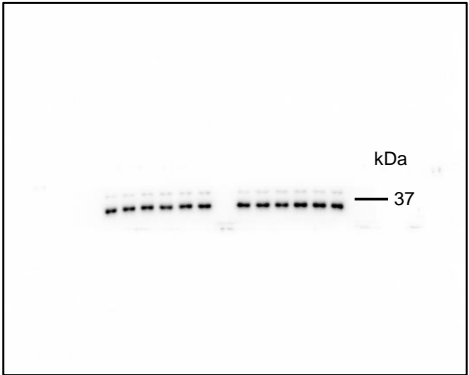
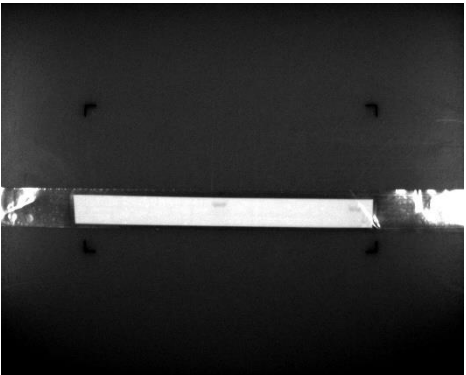
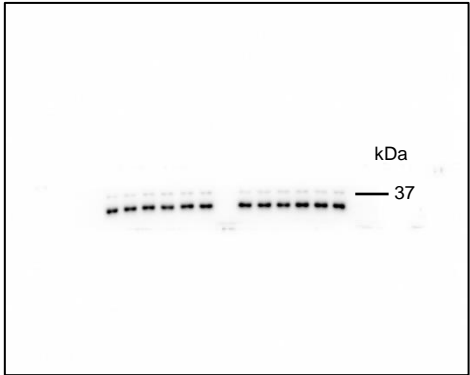


Full unedited blot for Figure 7F

cyclinA2

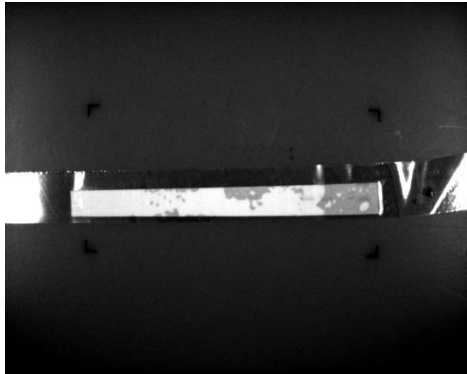
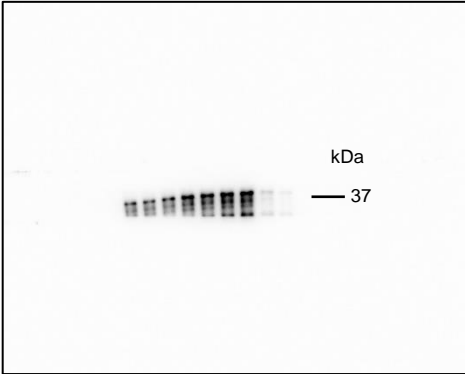


GAPDH

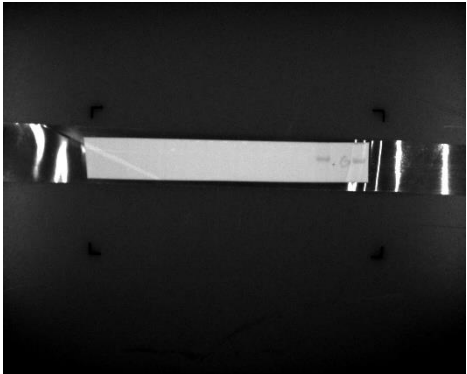
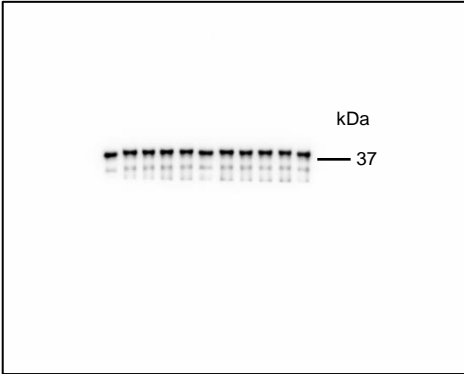


Full unedited blot for Figure 8B

pRb

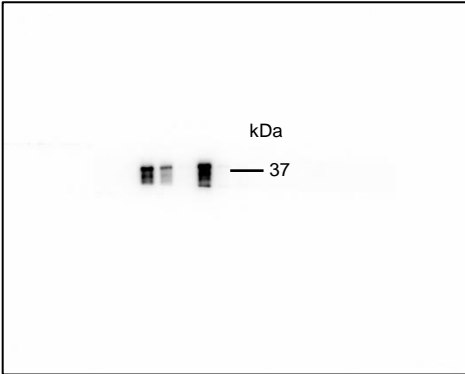


GST

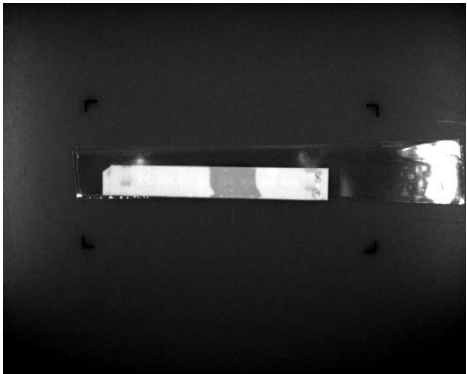
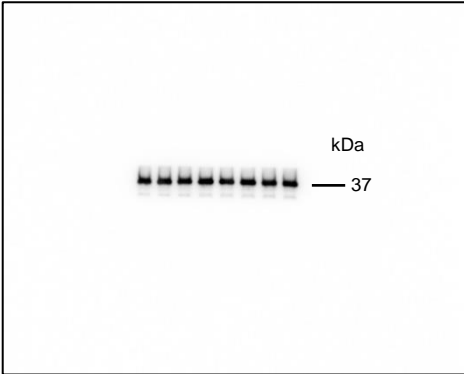


Full unedited blot for Figure 8K

pRb

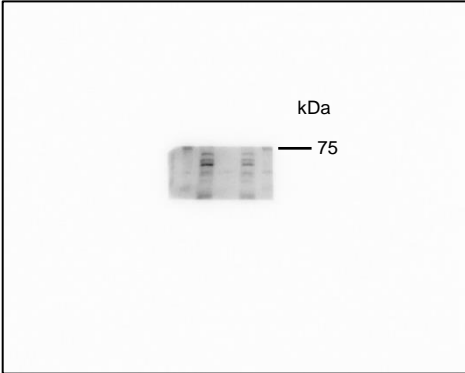


GST

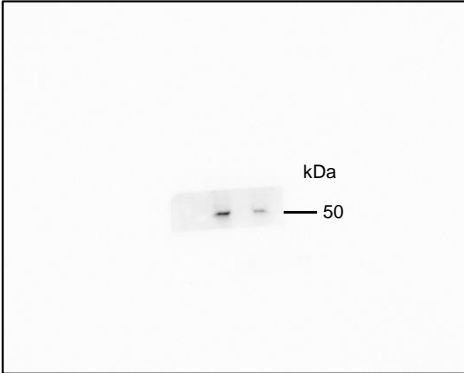


Full unedited blot for Figure 8N

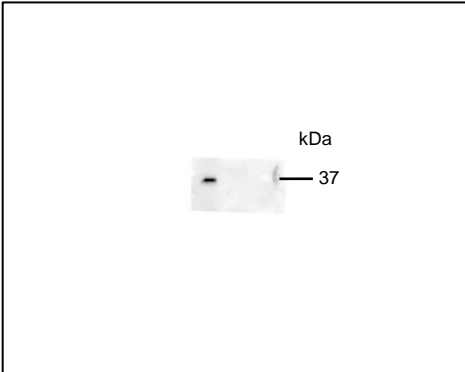
CDKL3



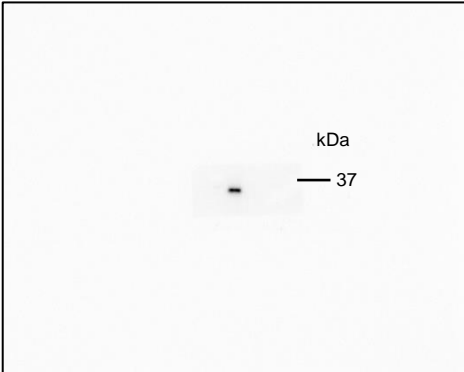
cyclinA2



CDK6

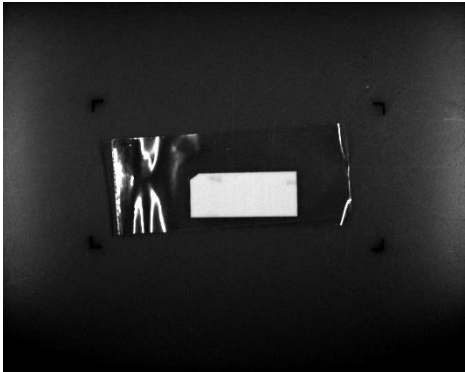
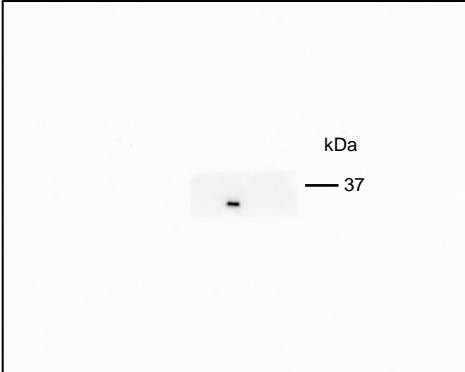


CDK2

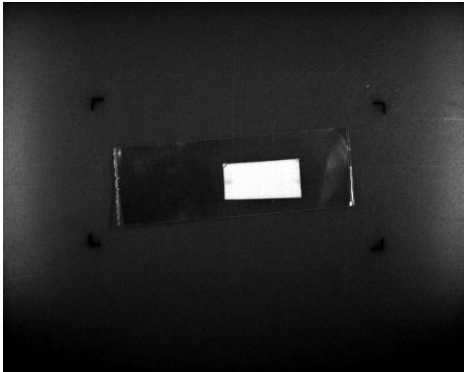
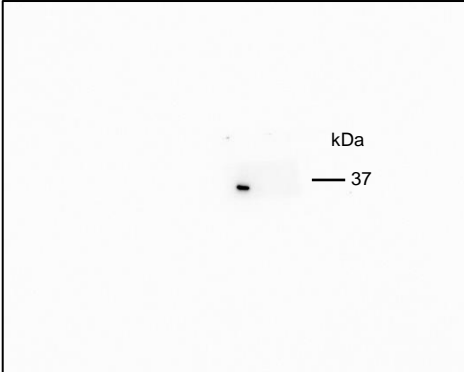


Full unedited blot for Figure 8N

CDK4

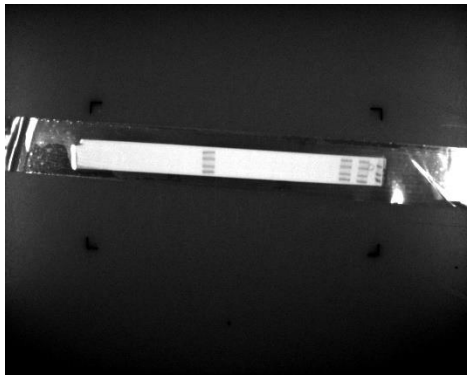
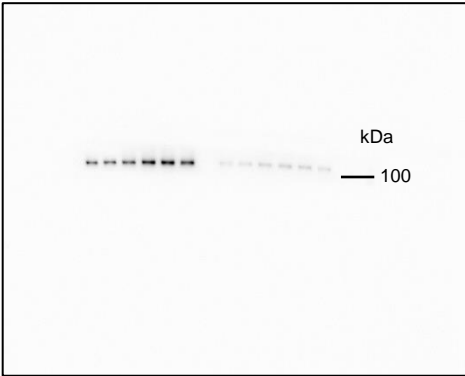


GAPDH

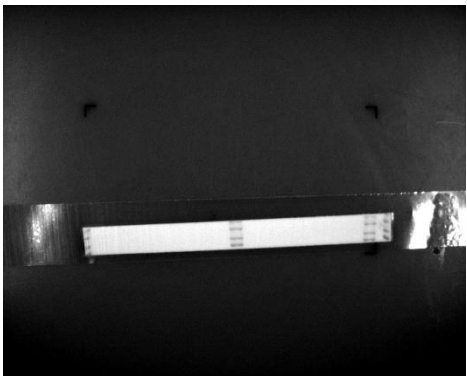
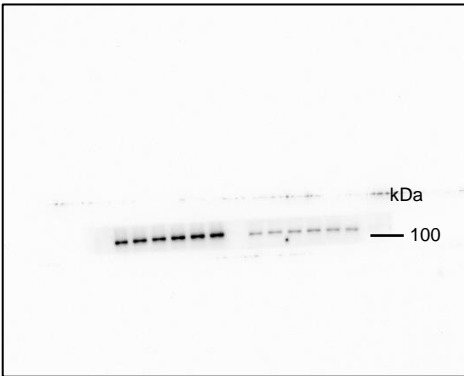


Full unedited blot for Figure 9A

pRb

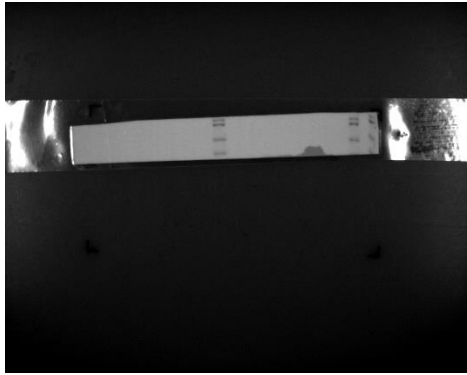
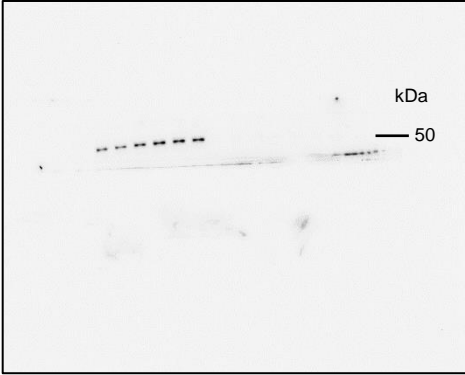


Rb

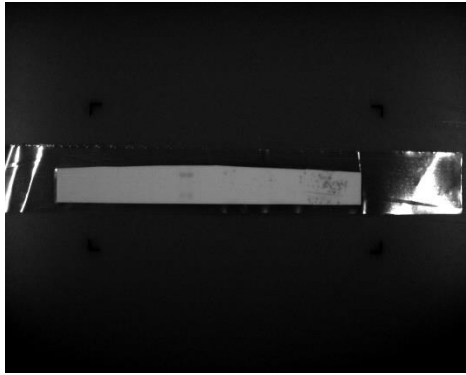
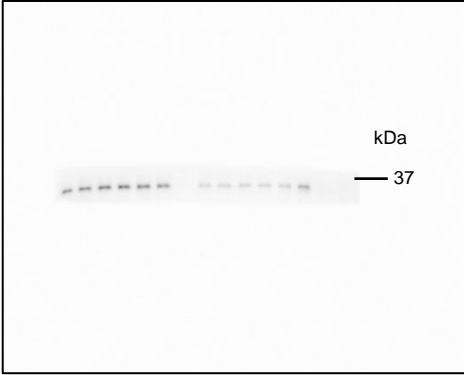


Full unedited blot for Figure 9A

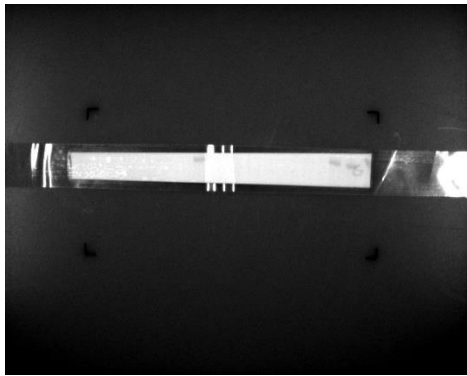
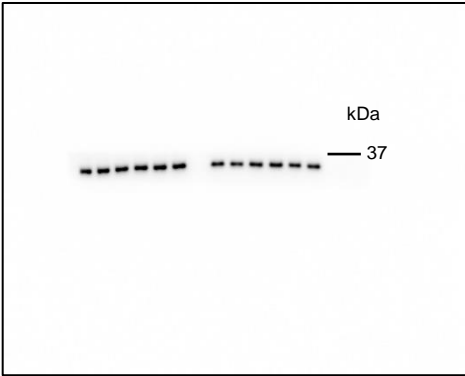
cyclinA2



CDK4

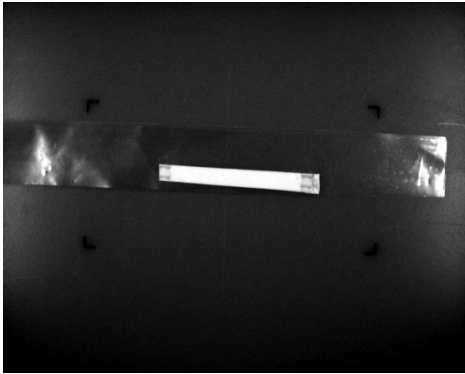


GAPDH

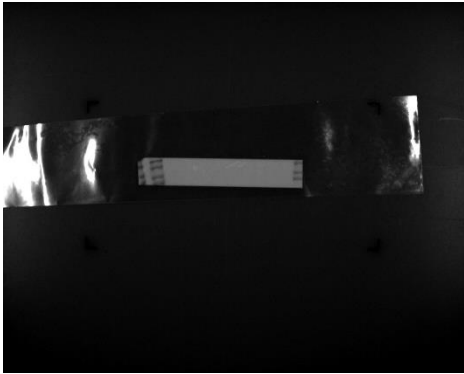
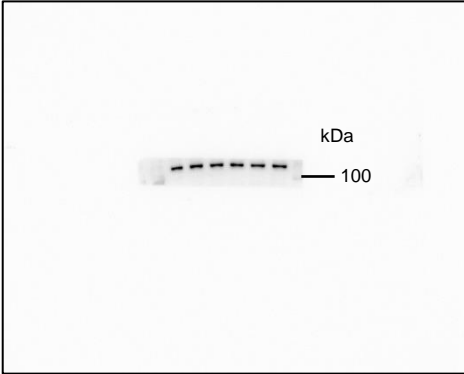


Full unedited blot for Figure 10G

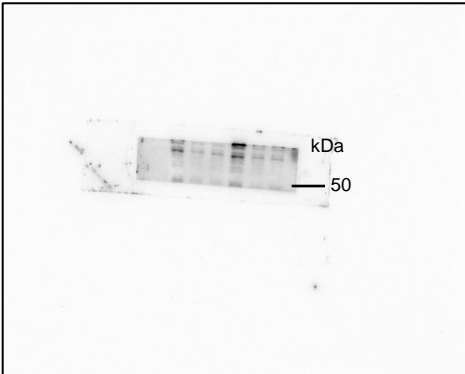
pRb



Rb



CDKL3

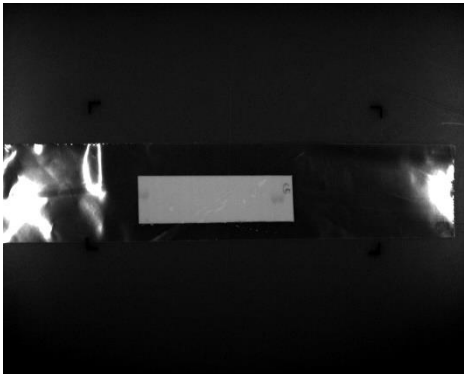
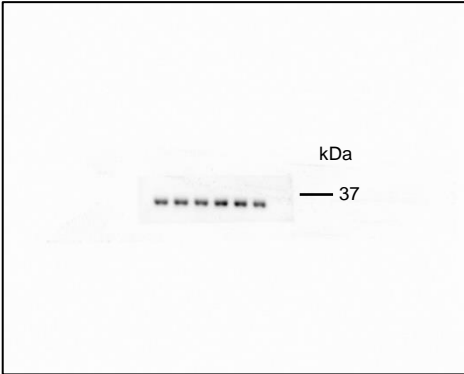


Full unedited blot for Figure 10G

CDK4

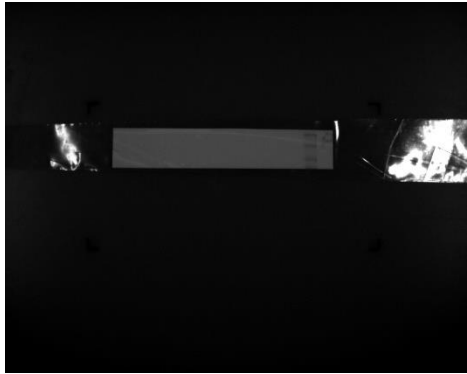
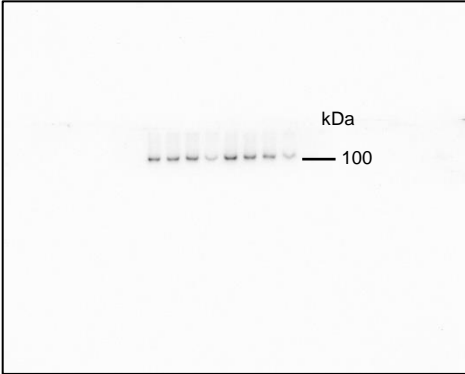


GAPDH

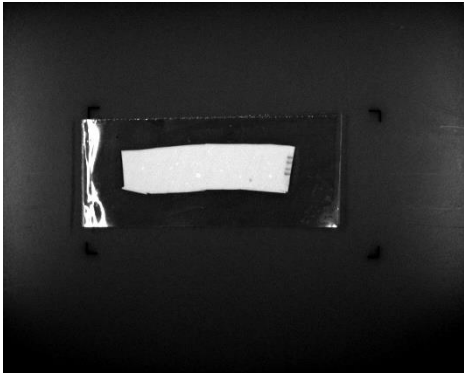
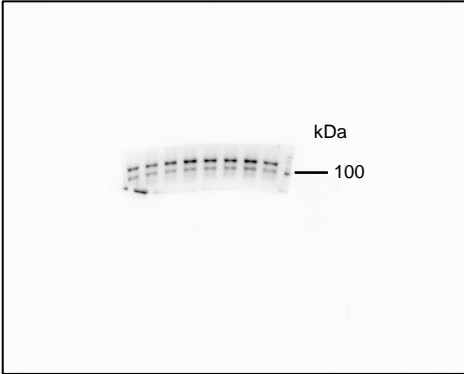


Full unedited blot for Figure 10N

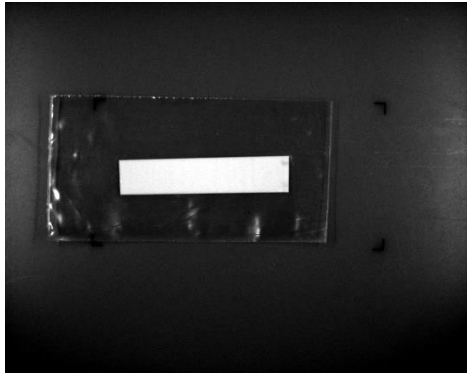
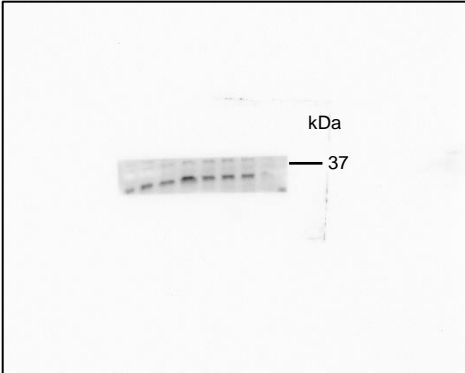
pRb



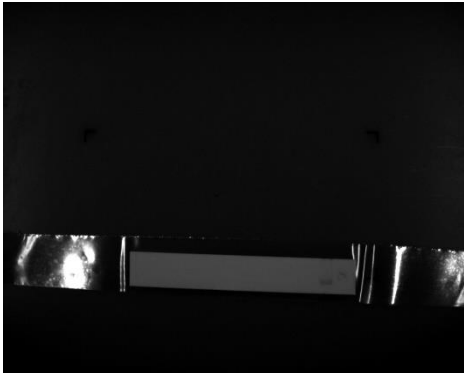
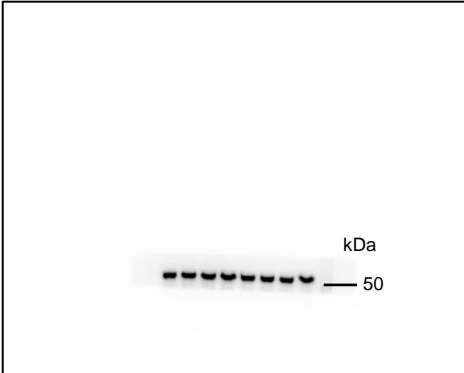
Rb



CDK4

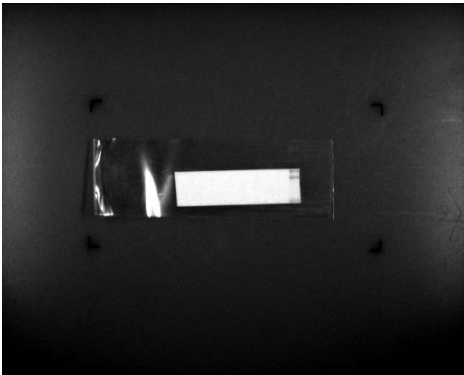
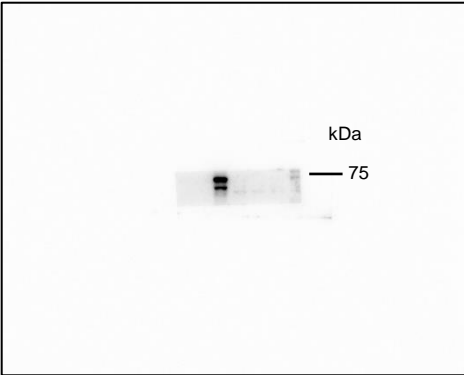


α -tubulin

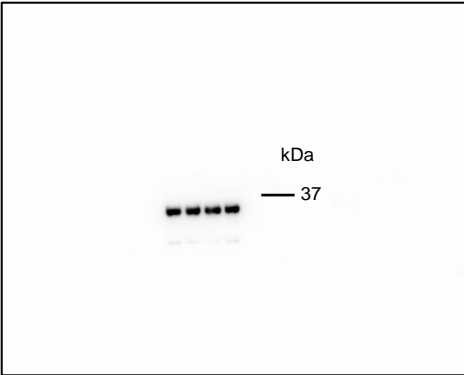


Full unedited blot for Supplemental Figure 1E

CDKL3

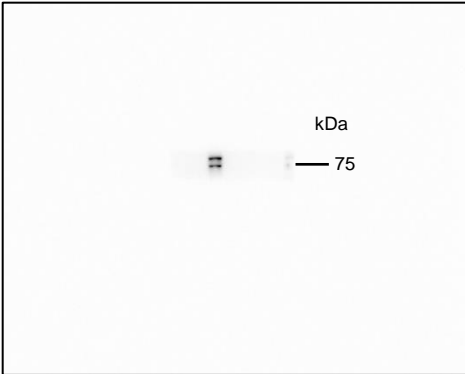


GAPDH

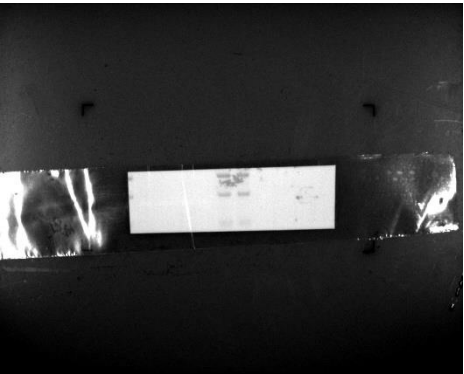
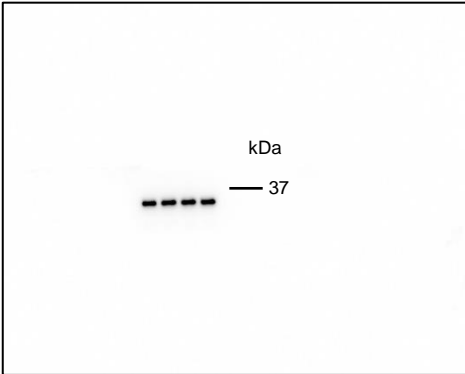


Full unedited blot for Supplemental Figure 1F

CDKL3

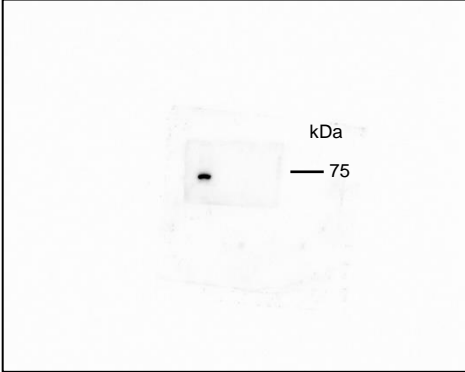


GAPDH

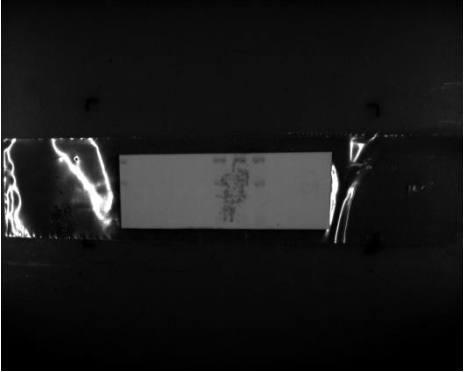


Full unedited blot for Supplemental Figure 1G

CDKL3

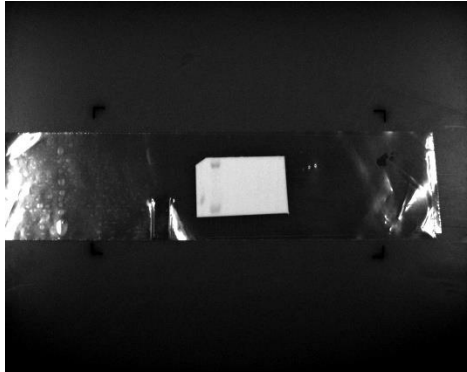
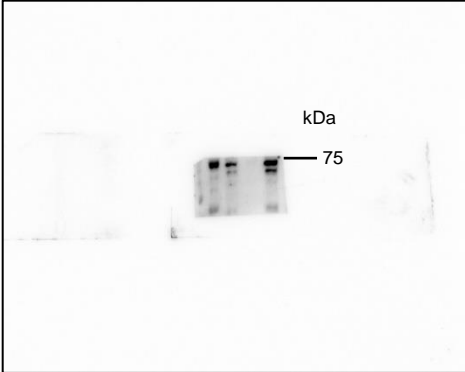


GAPDH

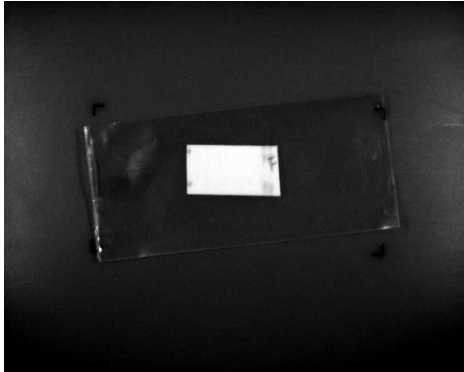
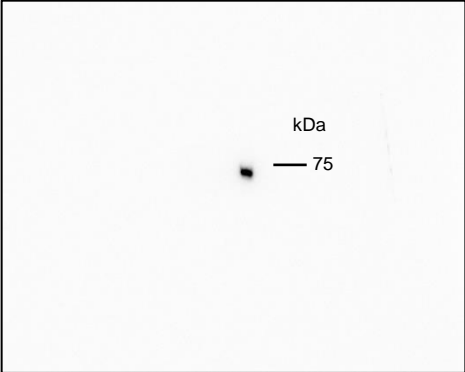


Full unedited blot for Supplemental Figure 1P

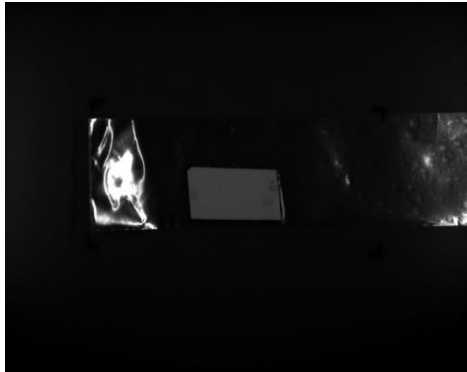
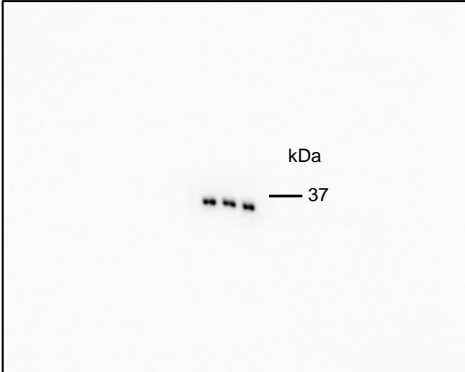
CDKL3



**FLAG
-CDKL3**

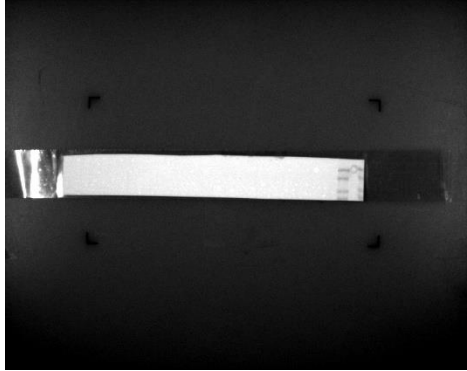
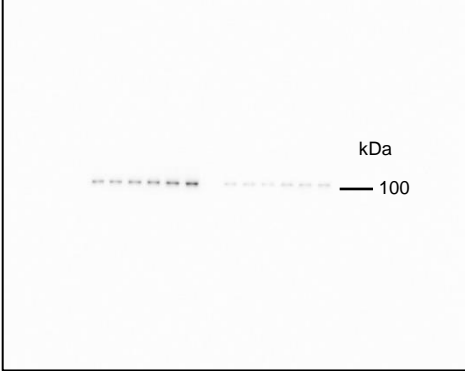


GAPDH

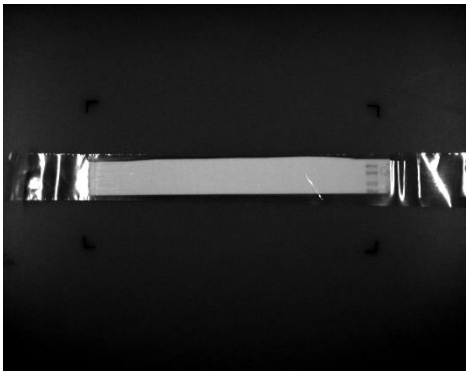
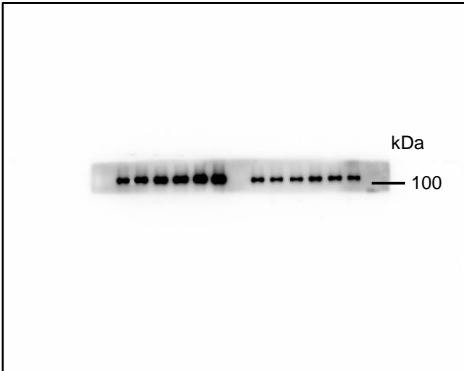


Full unedited blot for Supplemental Figure 1Q

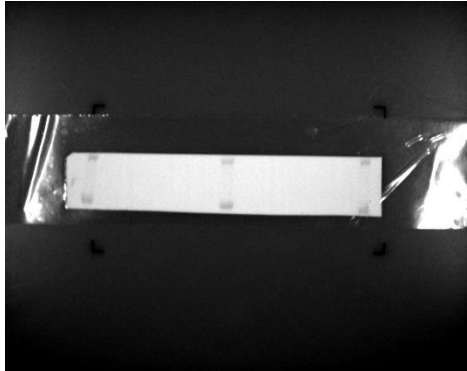
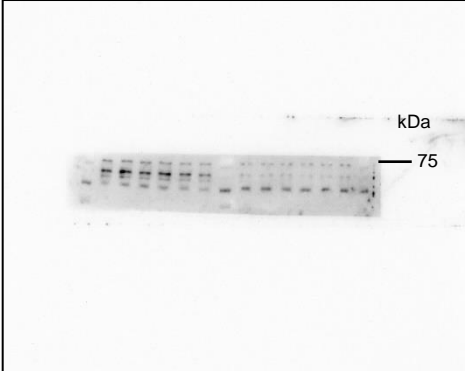
pRb



Rb

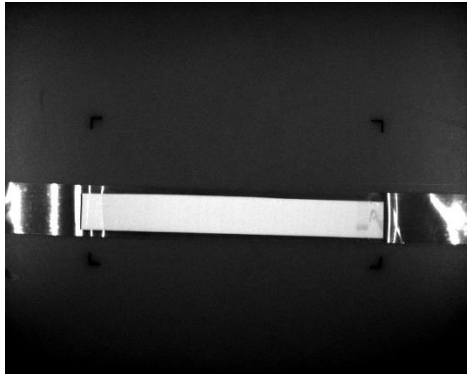
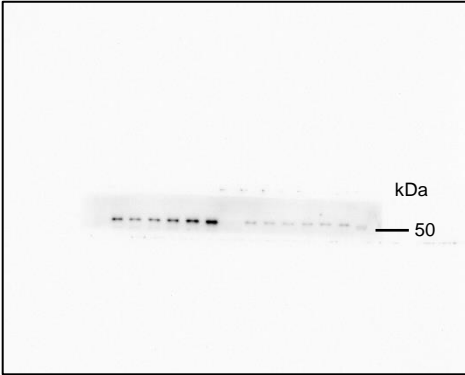


CDKL3

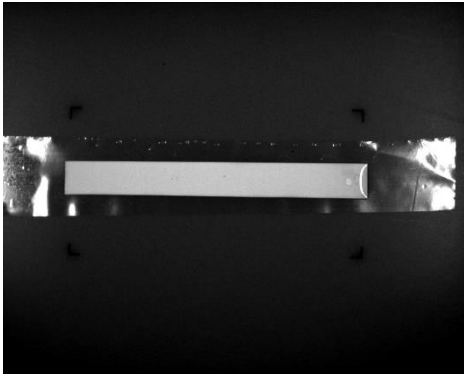
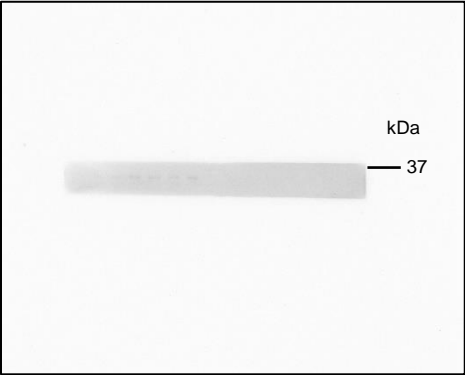


Full unedited blot for Supplemental Figure 1Q

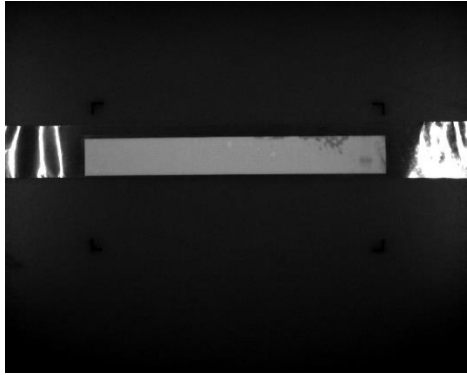
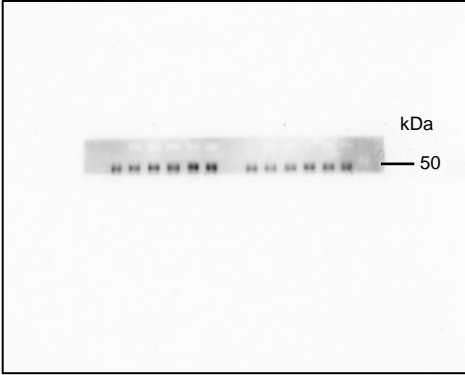
cyclinA2



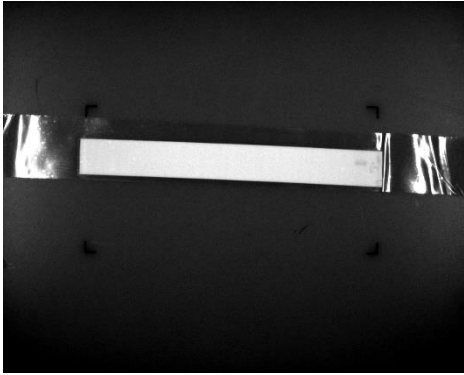
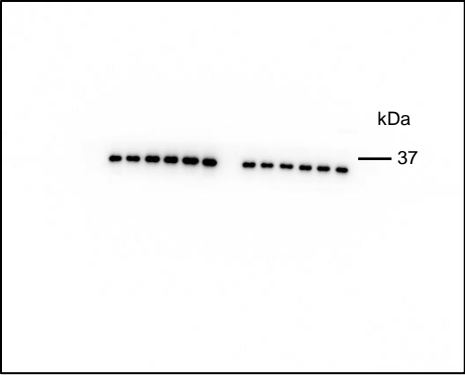
cyclinD1



cyclinE1

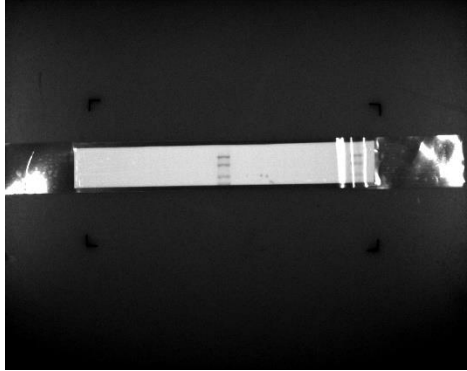
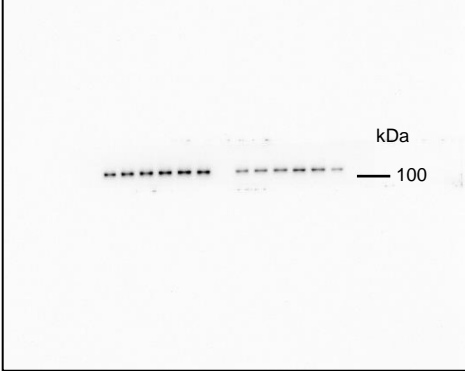


GAPDH

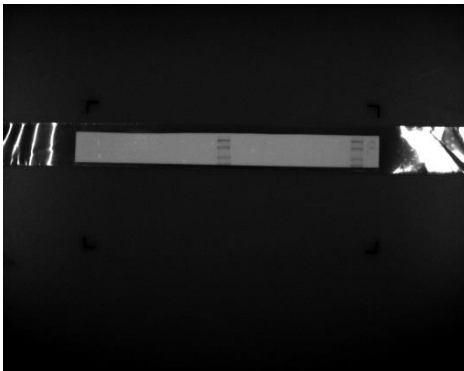
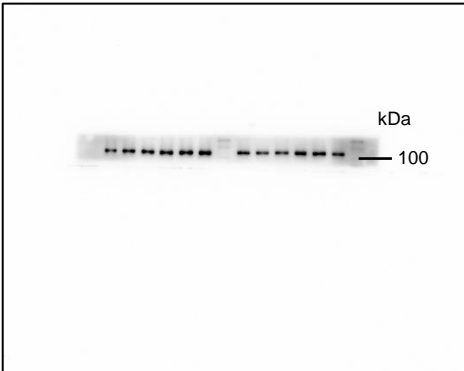


Full unedited blot for Supplemental Figure 1R

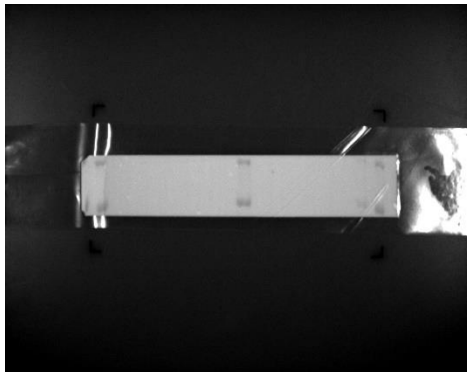
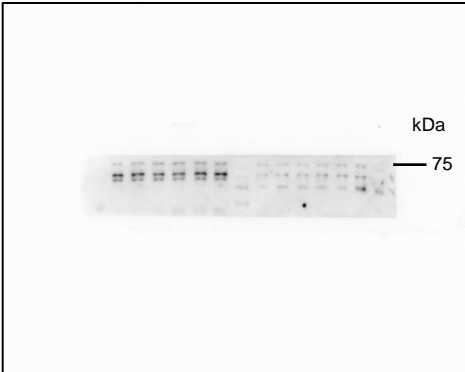
pRb



Rb

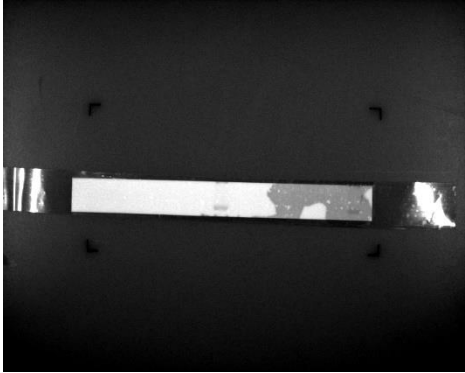
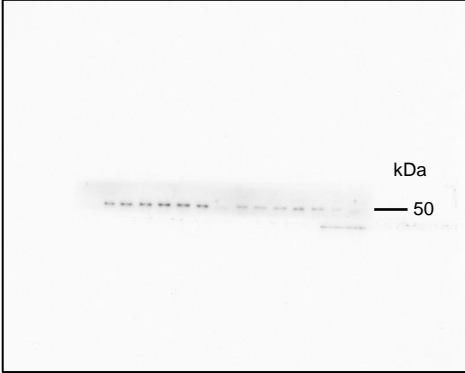


CDKL3

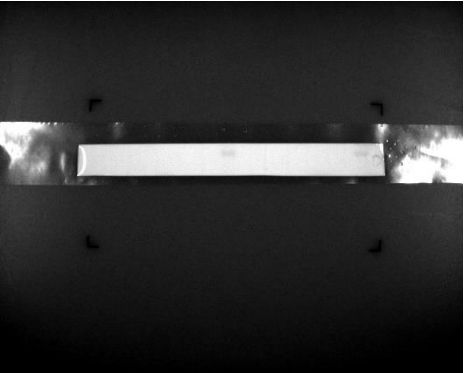


Full unedited blot for Supplemental Figure 1R

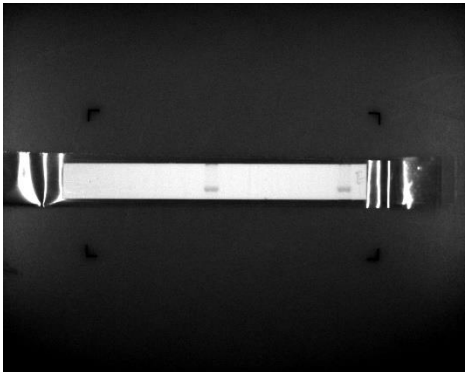
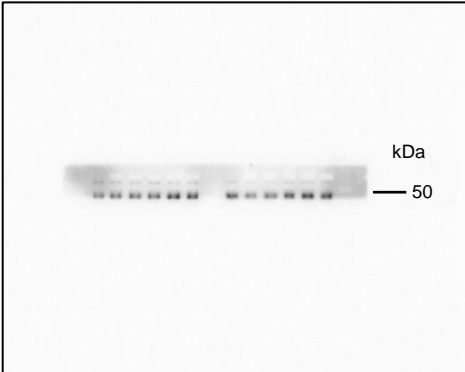
cyclinA2



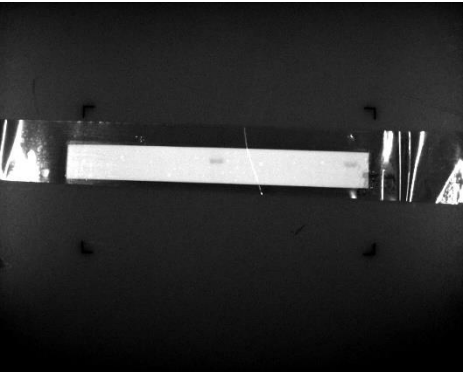
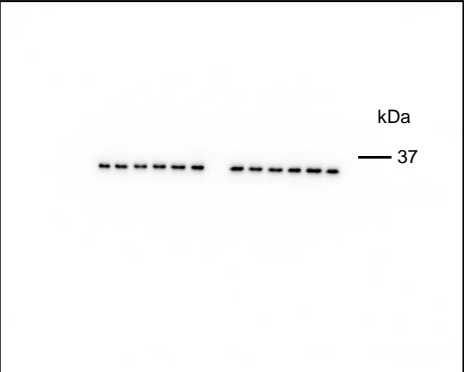
cyclinD1



cyclinE1

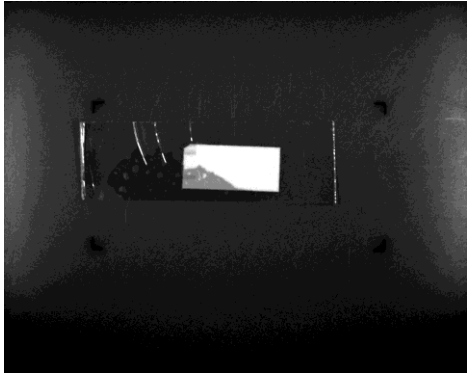
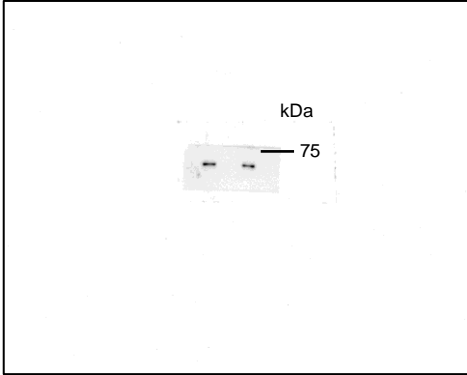


GAPDH

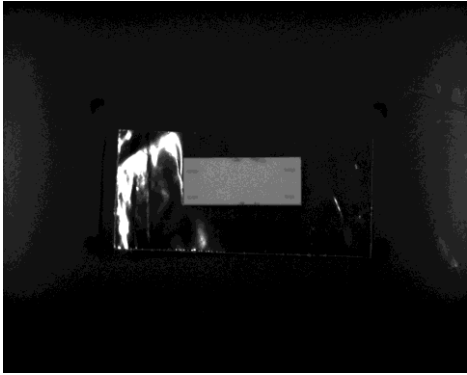
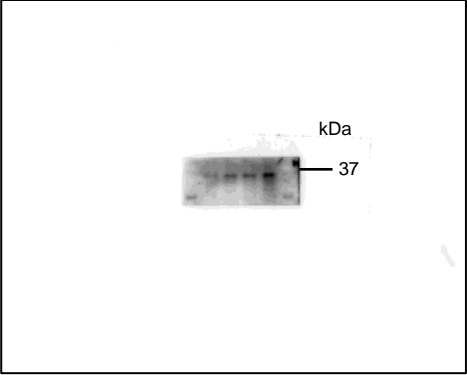


Full unedited blot for Supplemental Figure 1W

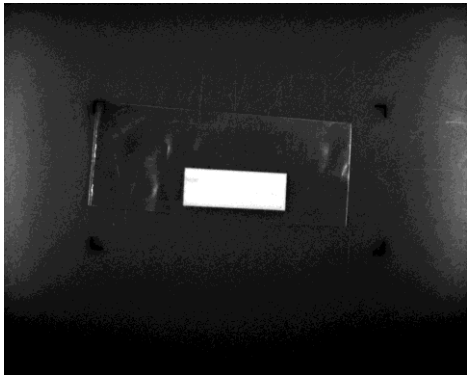
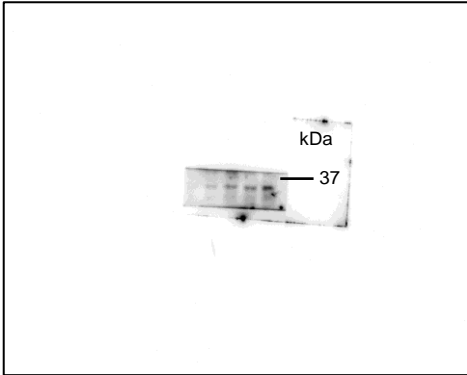
CDKL3



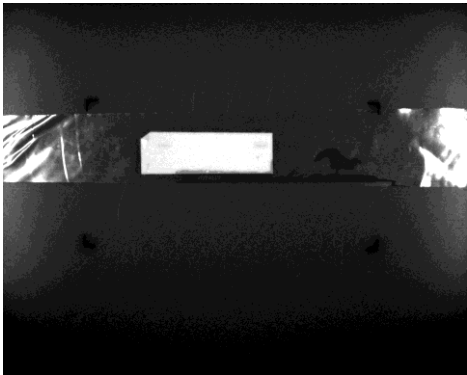
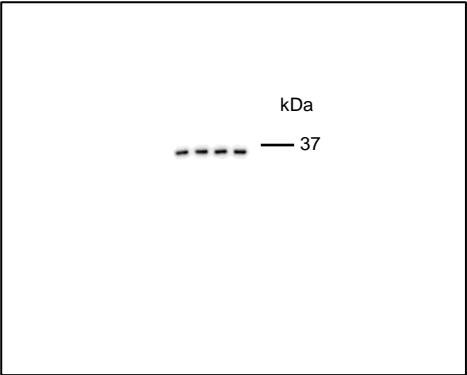
HES1



p27

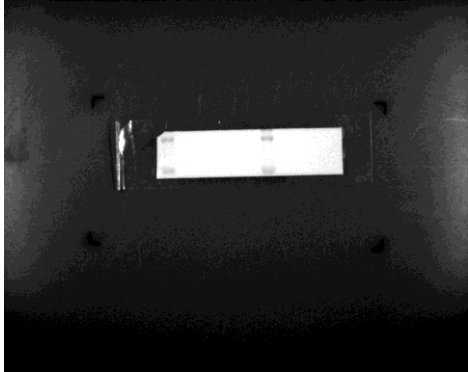
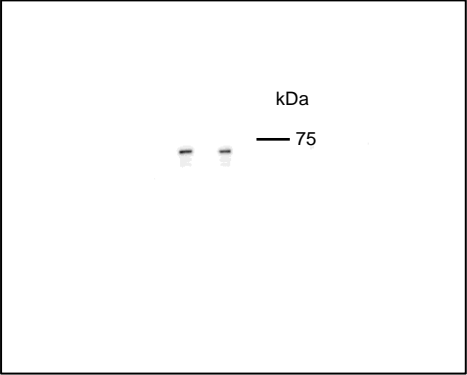


GAPDH

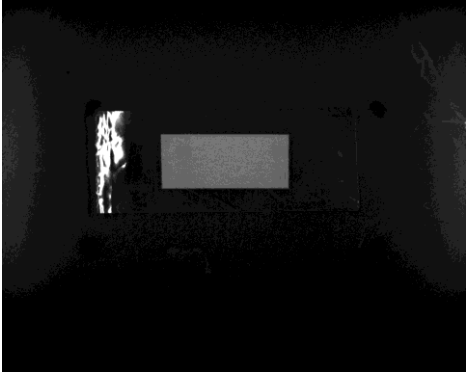
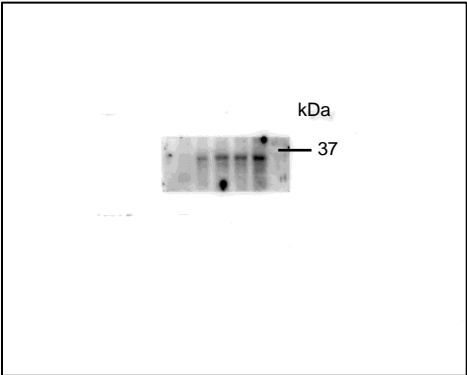


Full unedited blot for Supplemental Figure 1X

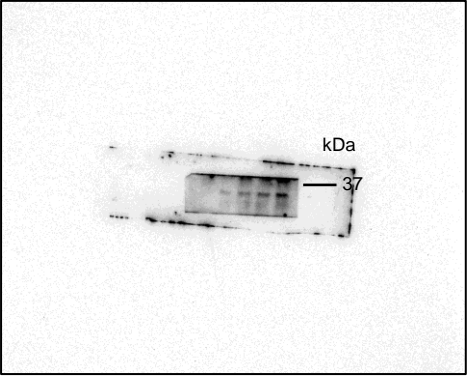
CDKL3



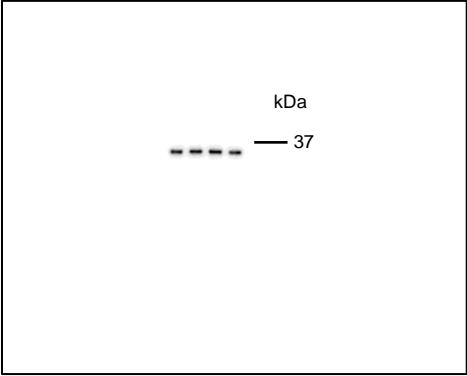
HES1



p27



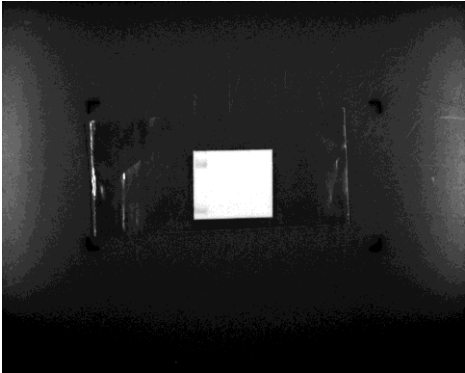
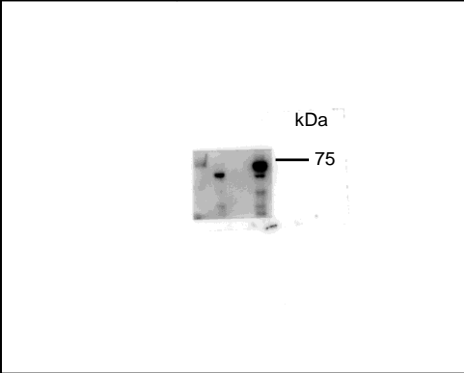
GAPDH



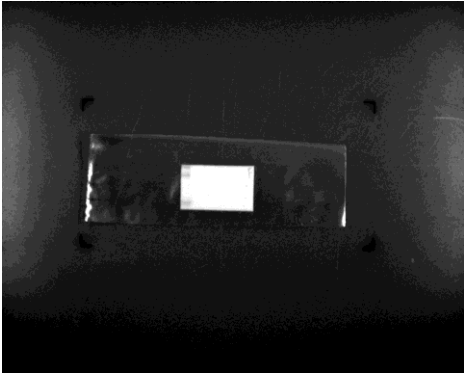
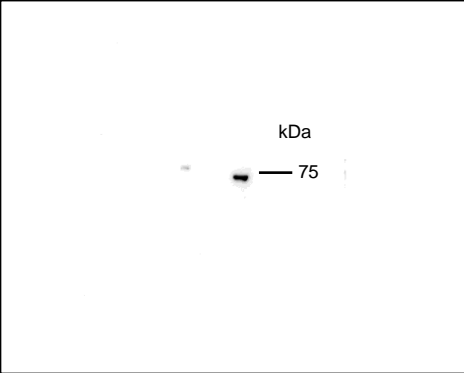
Full unedited blot for Supplemental Figure 1AC

U2OS

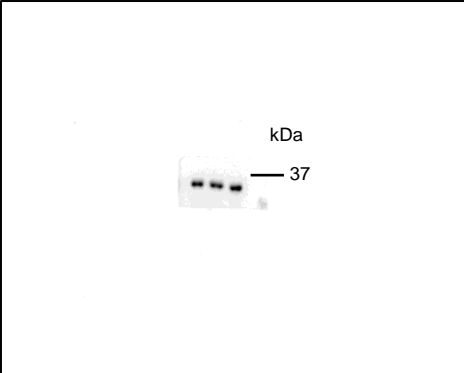
CDKL3



FLAG
-CDKL3



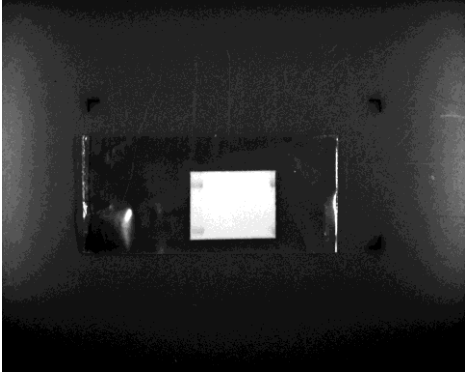
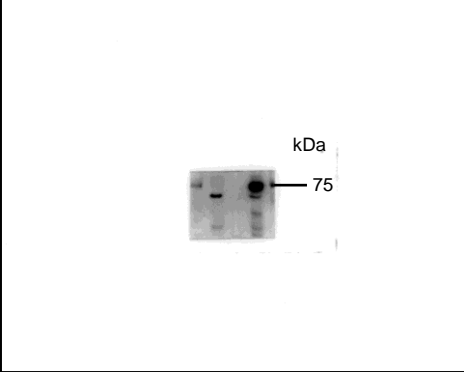
GAPDH



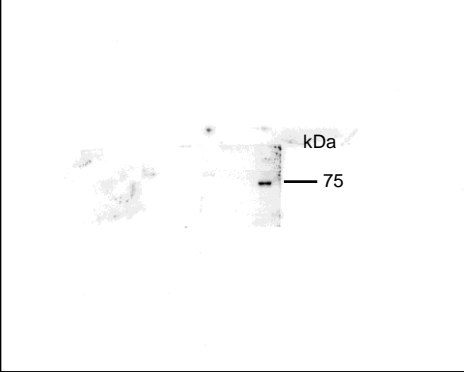
Full unedited blot for Supplemental Figure 1AC

DLD-1

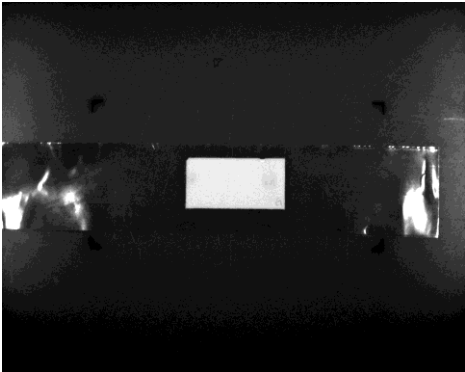
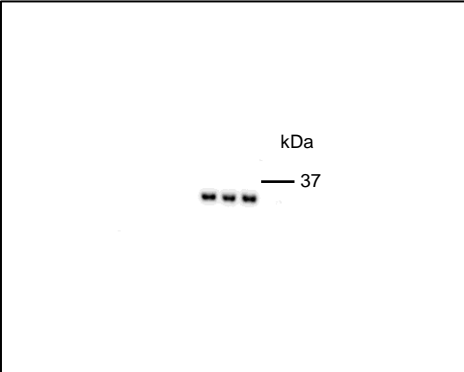
CDKL3



FLAG
-CDKL3

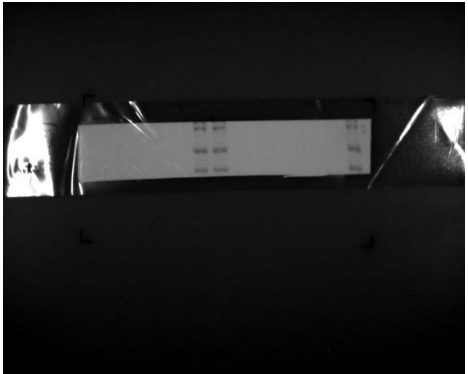


GAPDH

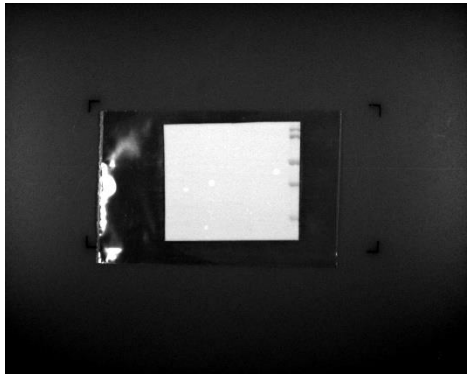
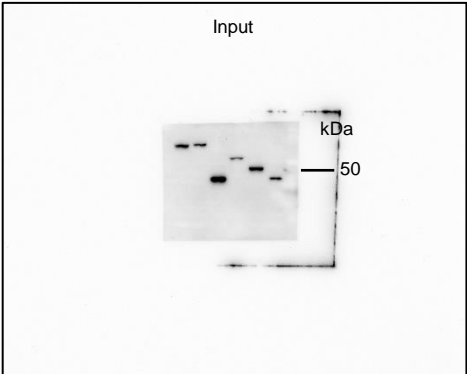


Full unedited blot for Supplemental Figure 2A

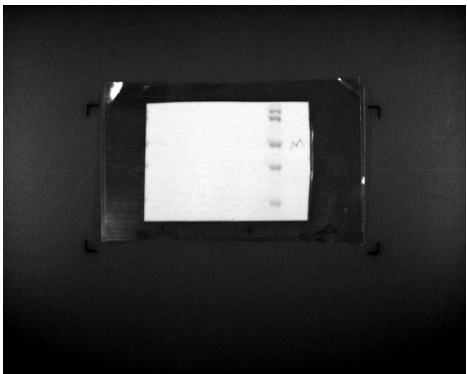
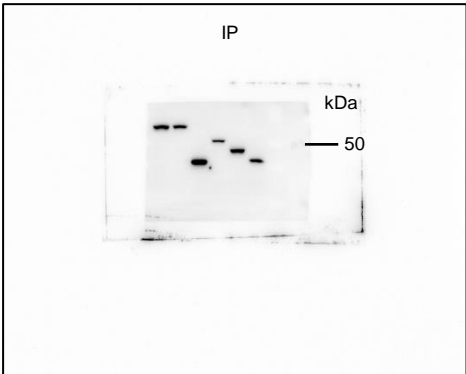
**FLAG
-CDKL3**



**MYC
-cyclin**

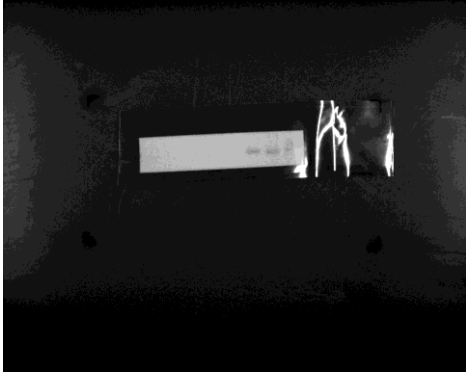
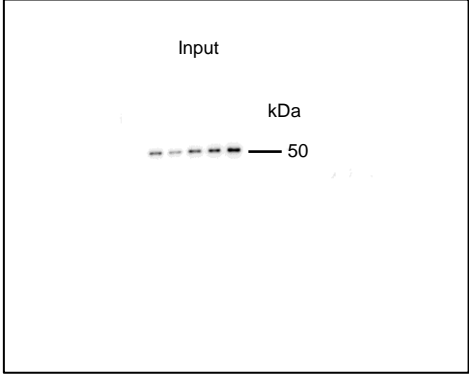
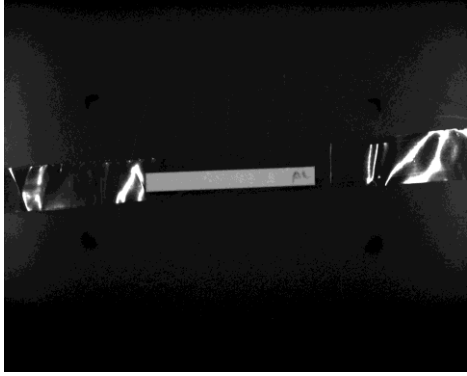
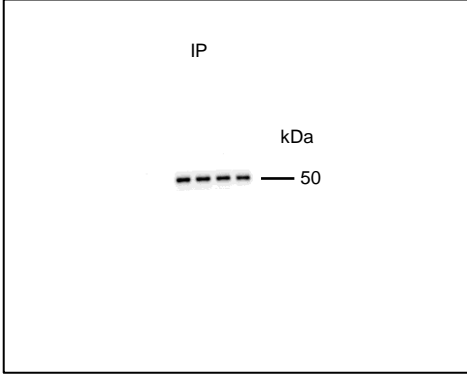


**MYC
-cyclin**

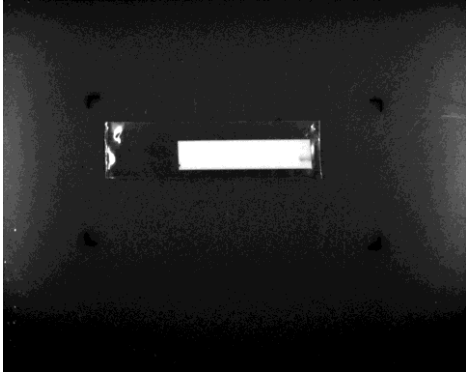
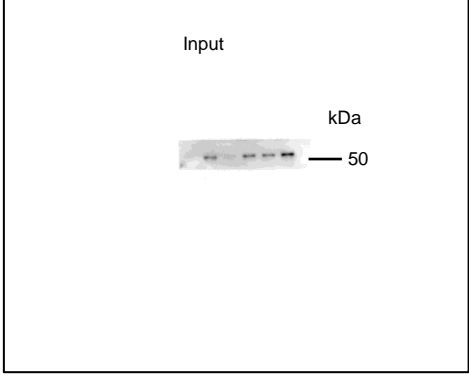
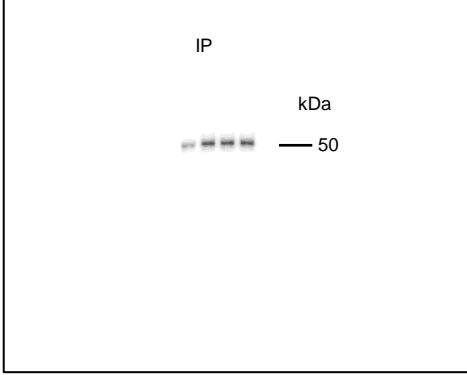


Full unedited blot for Supplemental Figure 2B

cyclinA2

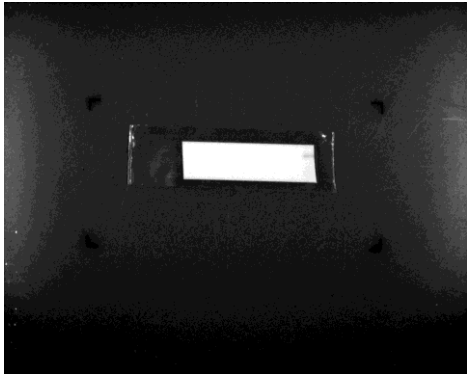
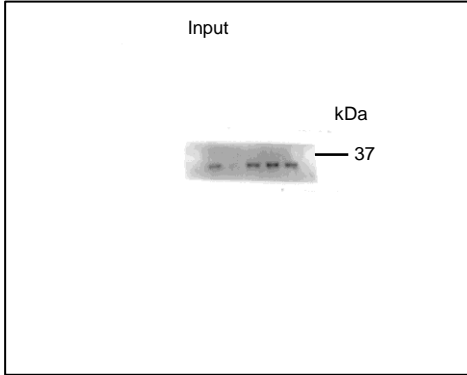
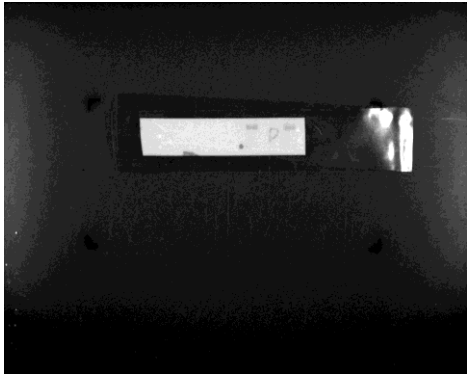
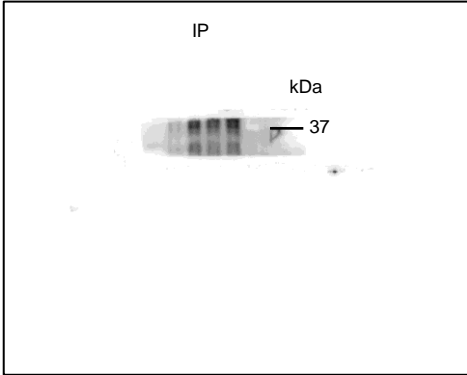


cyclinB1

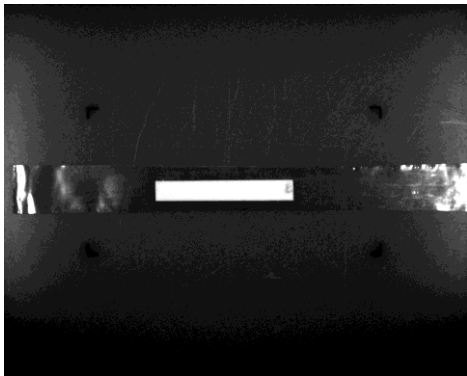
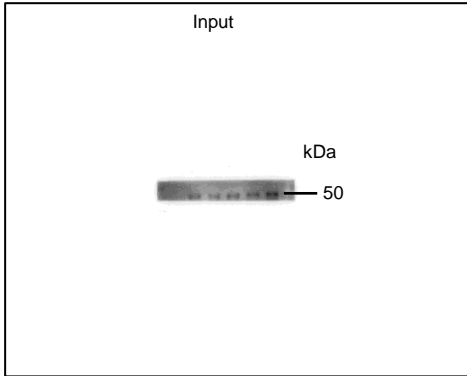
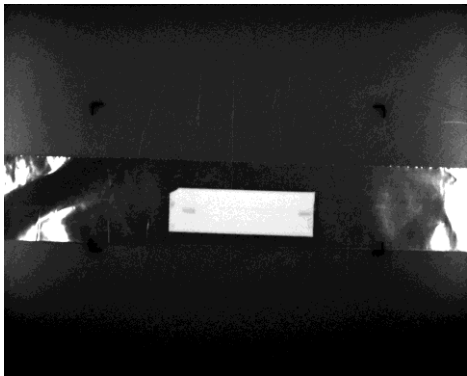
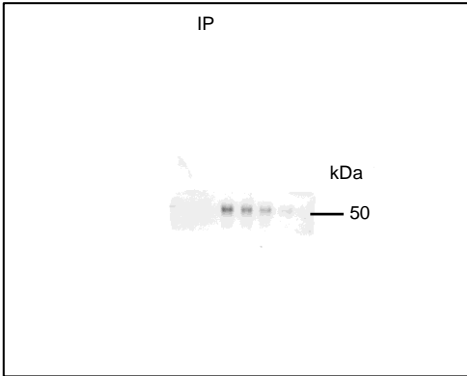


Full unedited blot for Supplemental Figure 2B

cyclinD1

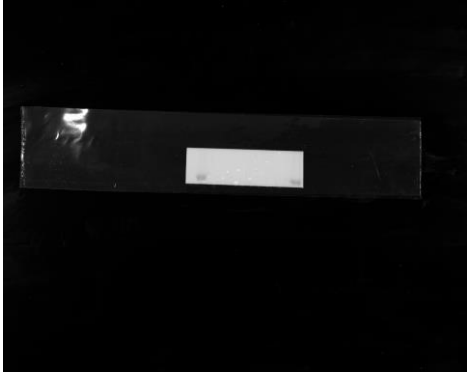
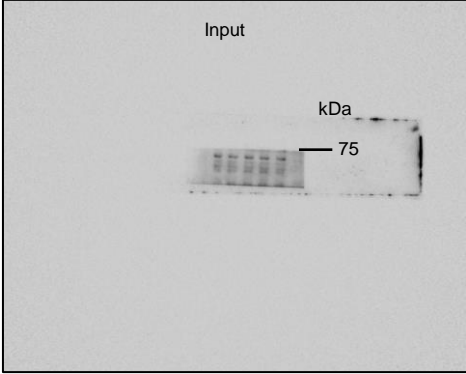
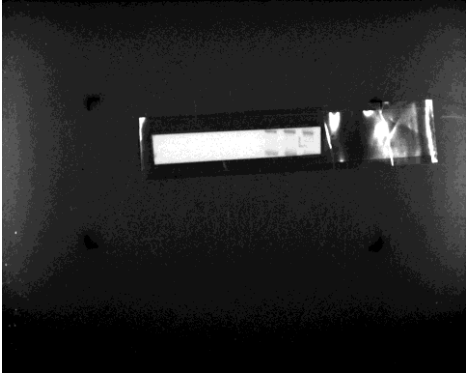
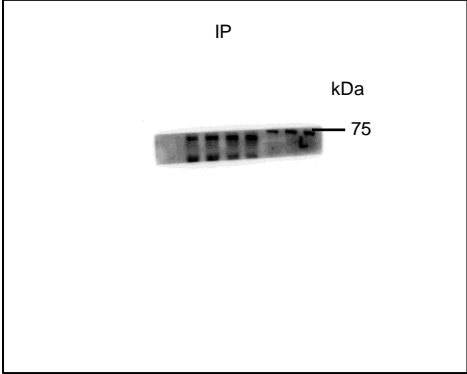


cyclinE1

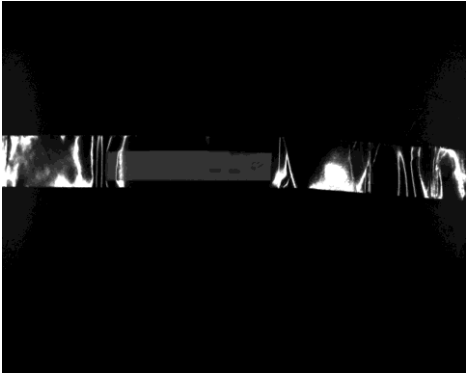
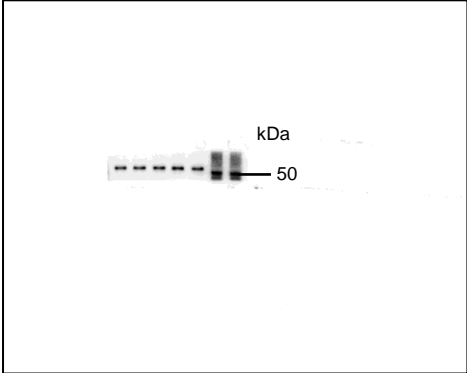


Full unedited blot for Supplemental Figure 2B

CDKL3

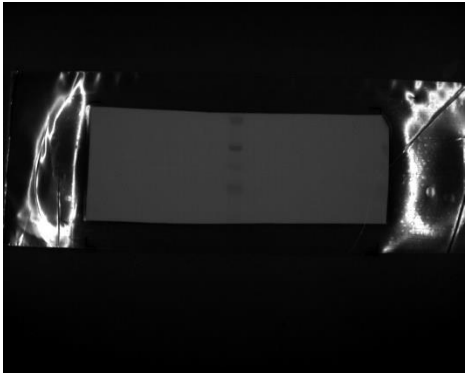
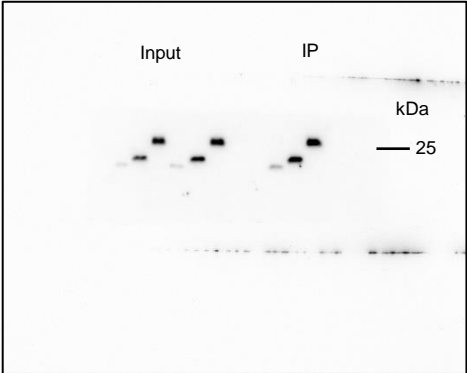


α -tubulin

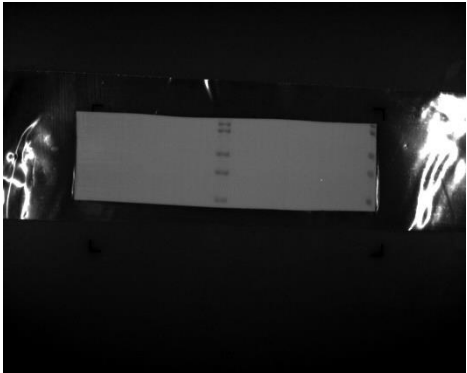
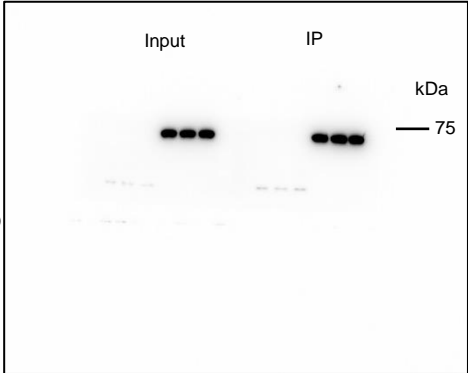


Full unedited blot for Supplemental Figure 2C

**MYC-
p16/p21/
p27**

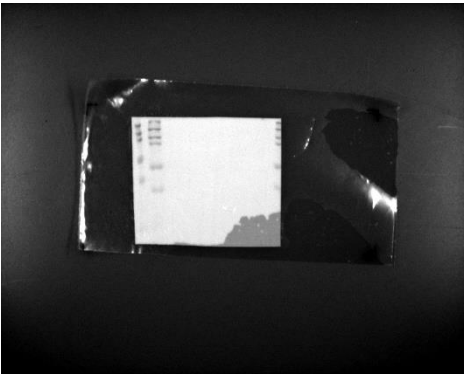
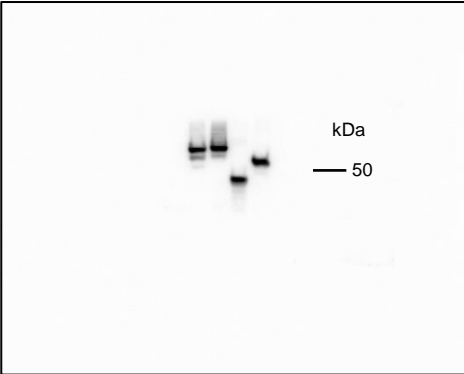


**FLAG
-CDKL3
/CDK4**



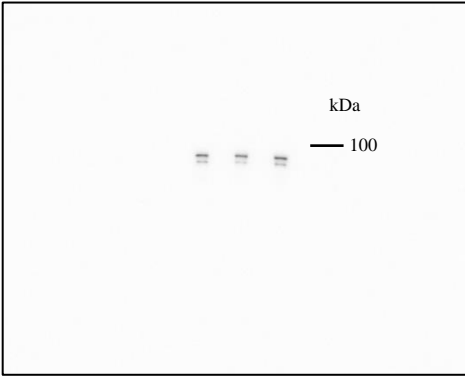
Full unedited blot for Supplemental Figure 2D

MYC-cyclin

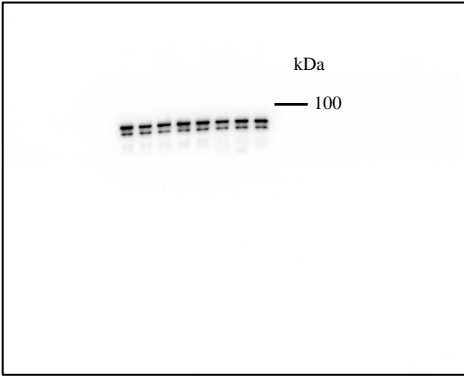


Full unedited blot for Supplemental Figure 2E

pRb

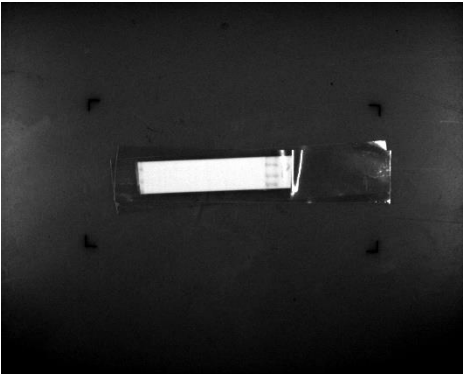
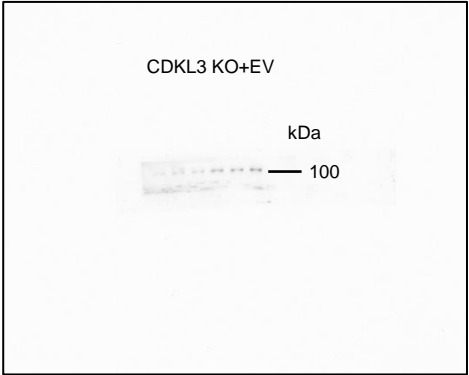
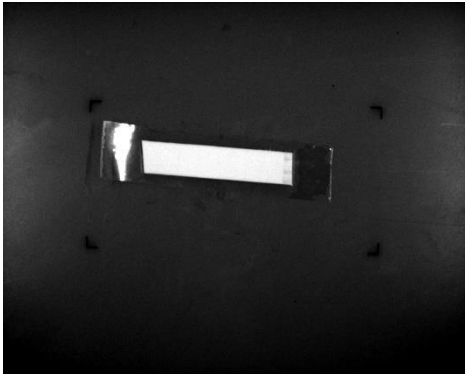
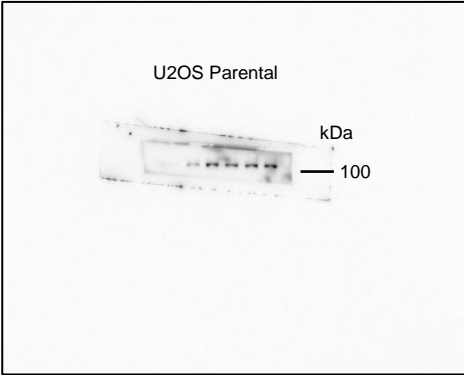


GST

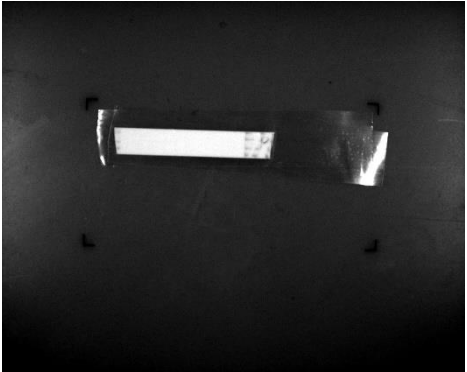
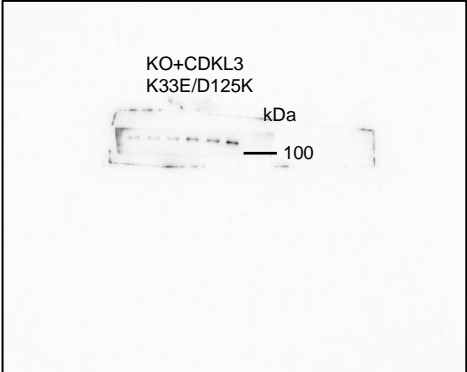
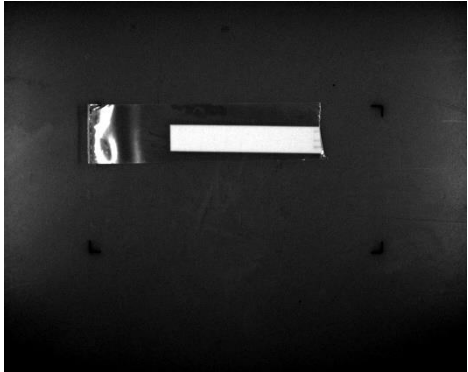
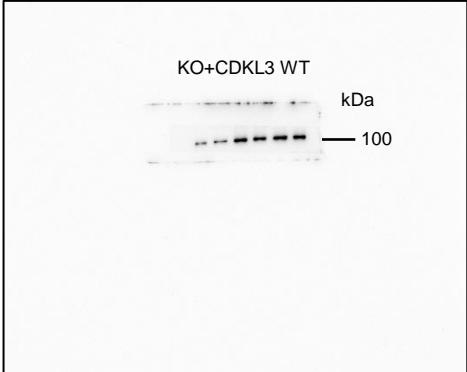


Full unedited blot for Supplemental Figure 2G

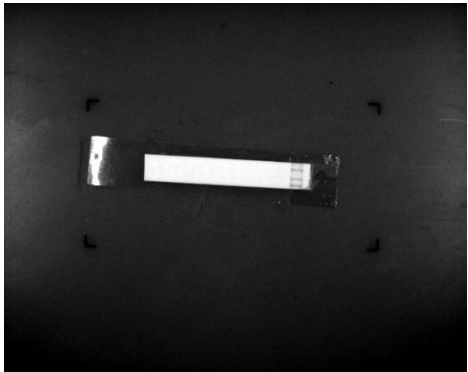
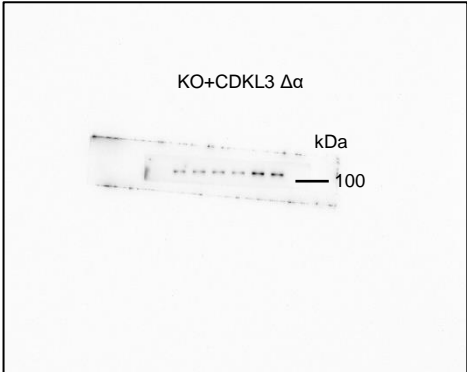
pRb



Full unedited blot for Supplemental Figure 2G

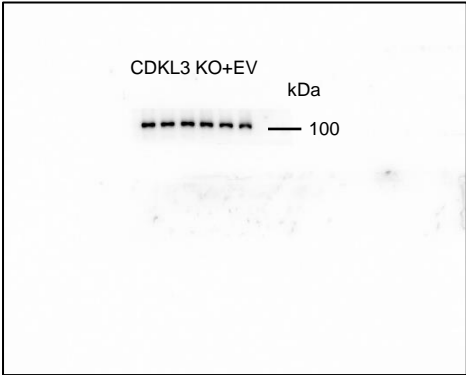
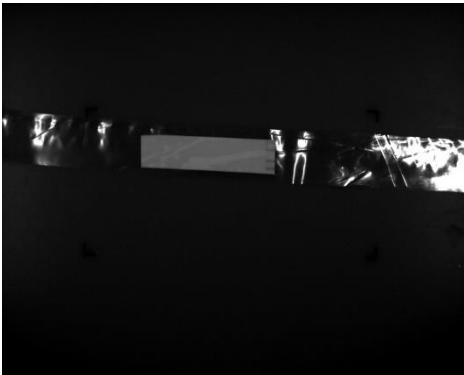
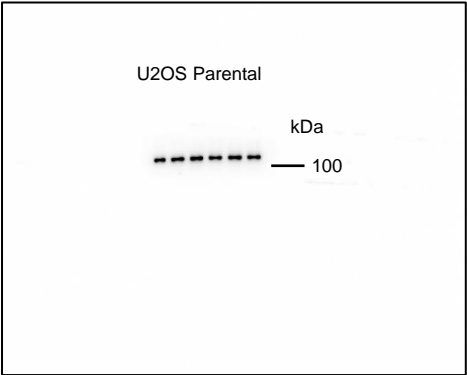


pRb



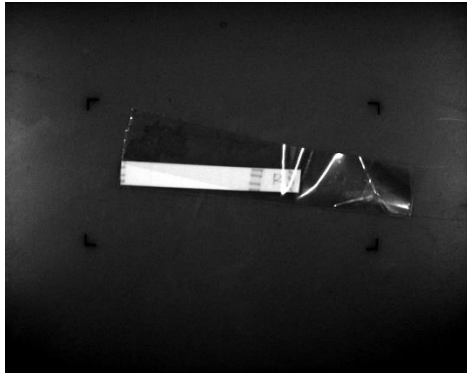
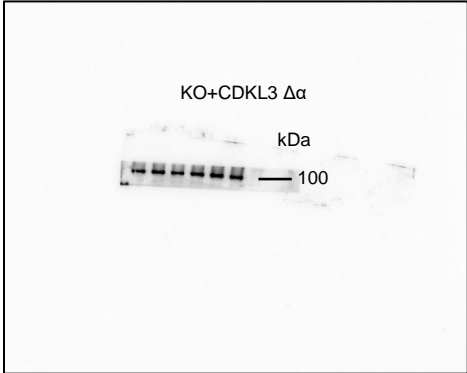
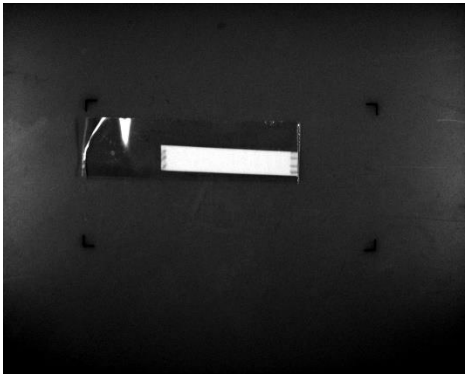
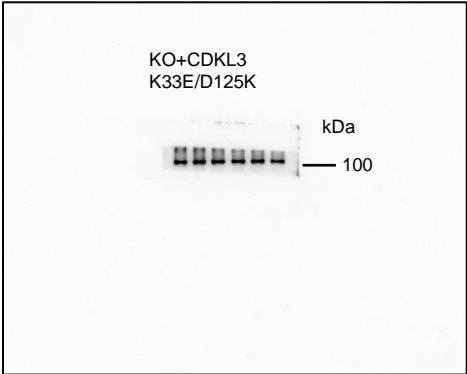
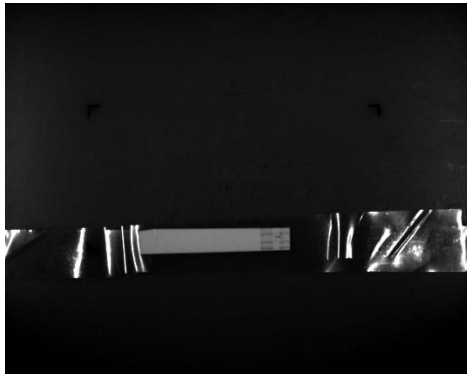
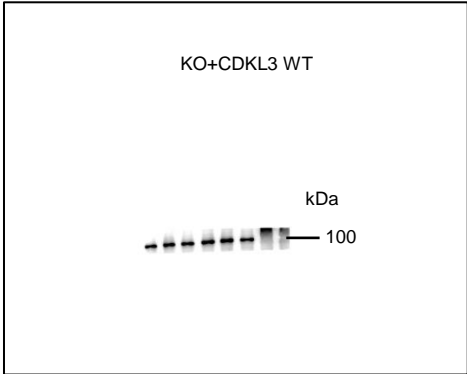
Full unedited blot for Supplemental Figure 2G

Rb



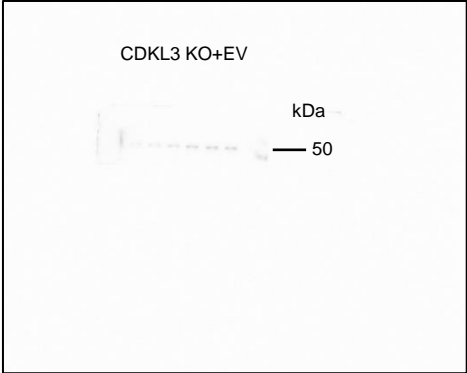
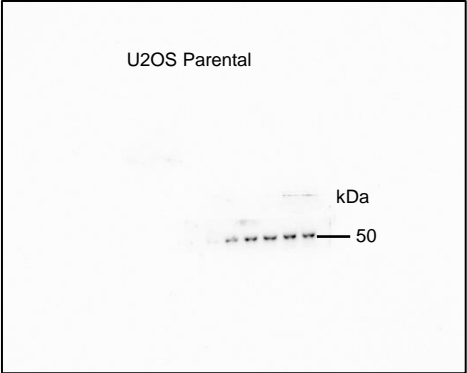
Full unedited blot for Supplemental Figure 2G

Rb

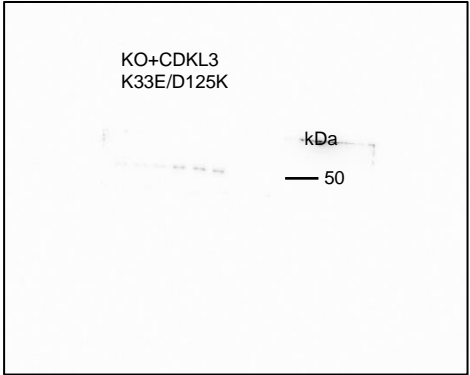
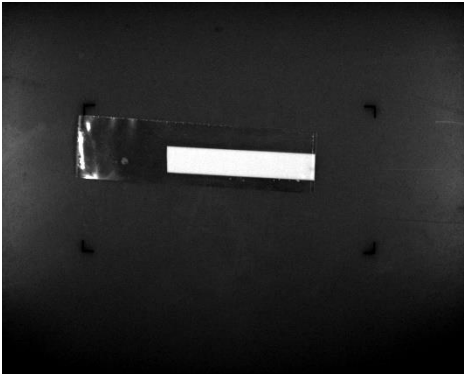
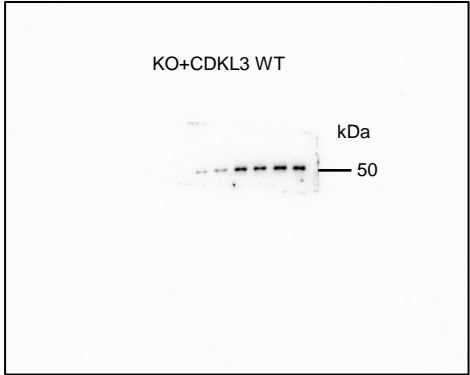


Full unedited blot for Supplemental Figure 2G

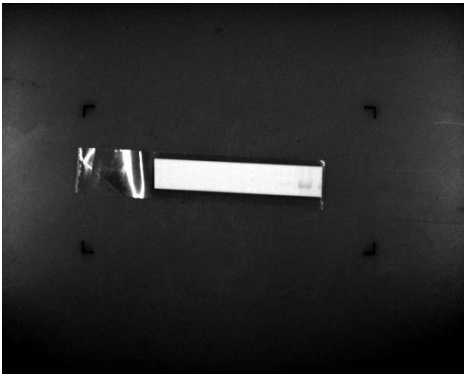
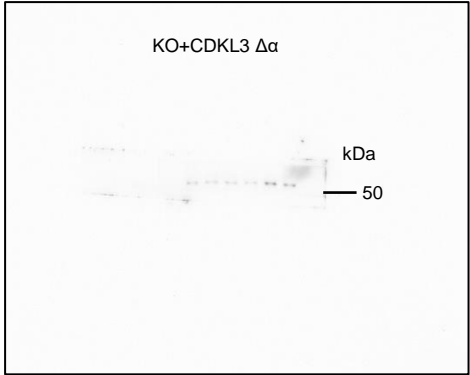
cyclinA2



Full unedited blot for Supplemental Figure 2G

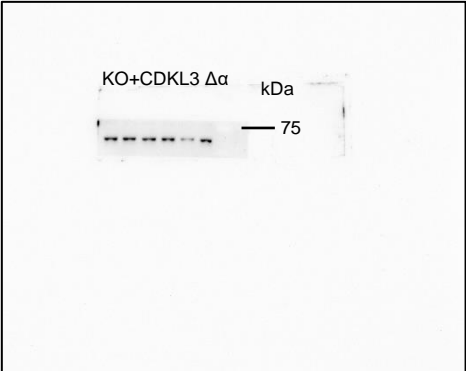
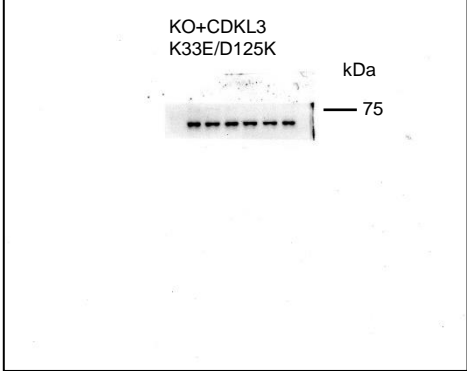
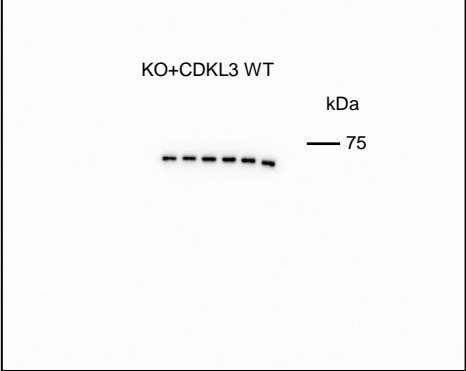


cyclinA2



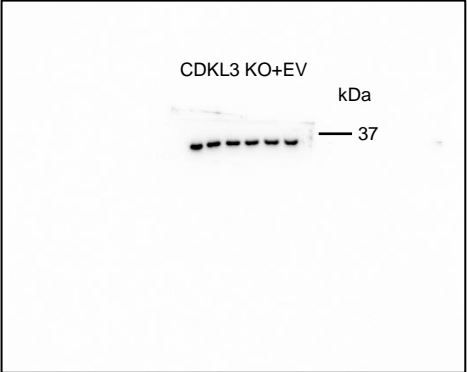
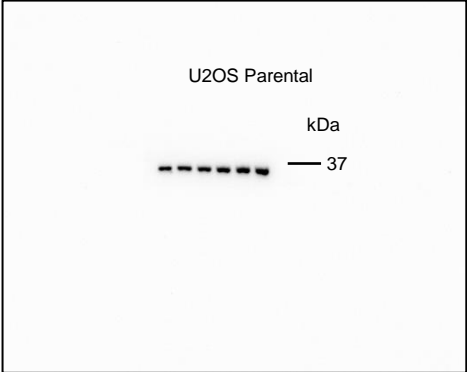
Full unedited blot for Supplemental Figure 2G

**FLAG-
CDKL3**



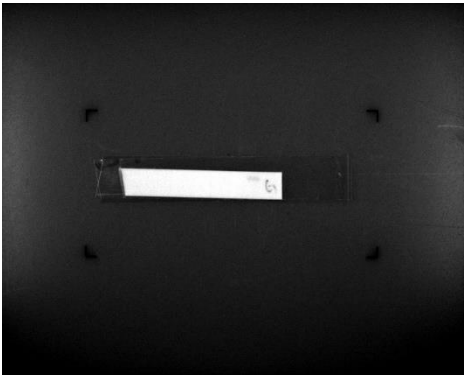
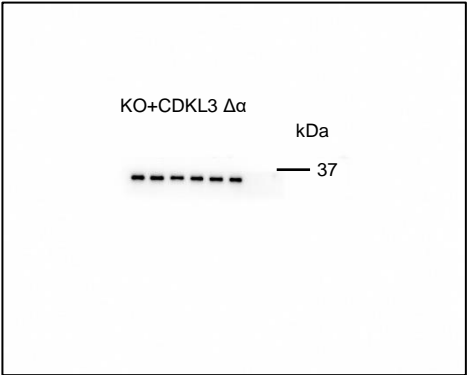
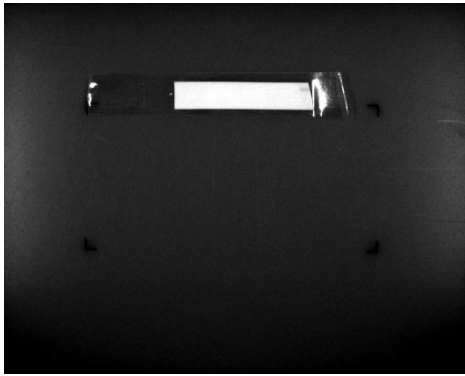
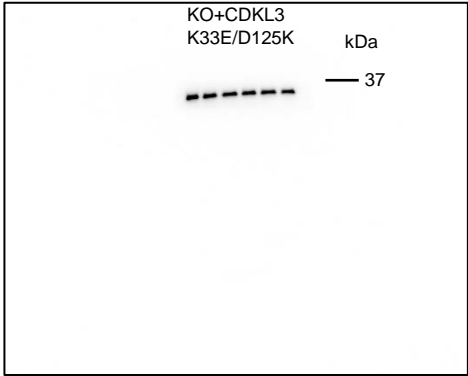
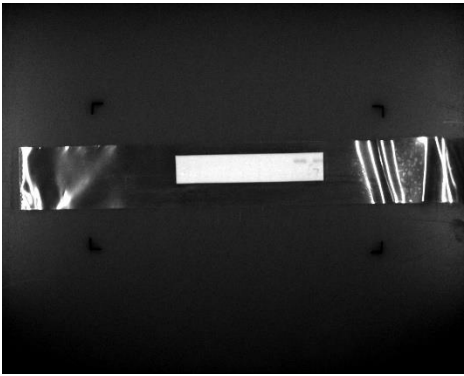
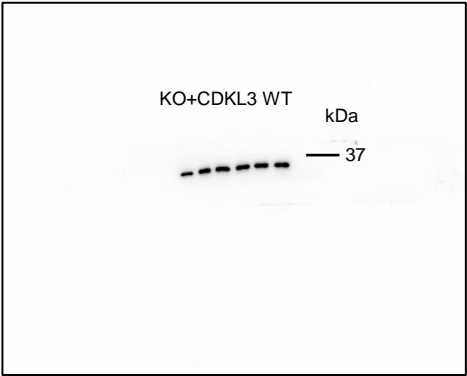
Full unedited blot for Supplemental Figure 2G

GAPDH



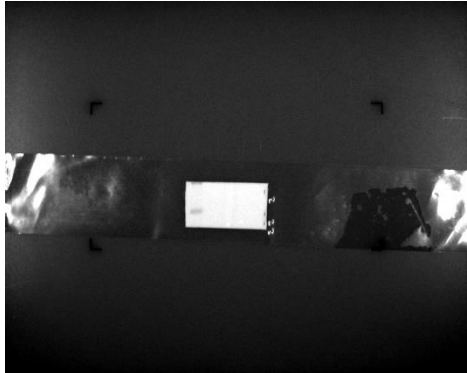
Full unedited blot for Supplemental Figure 2G

GAPDH

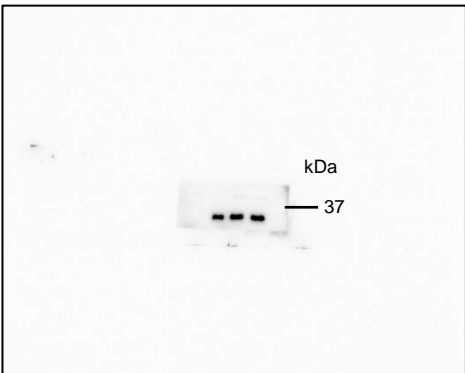


Full unedited blot for Supplemental Figure 2I

cyclinA2

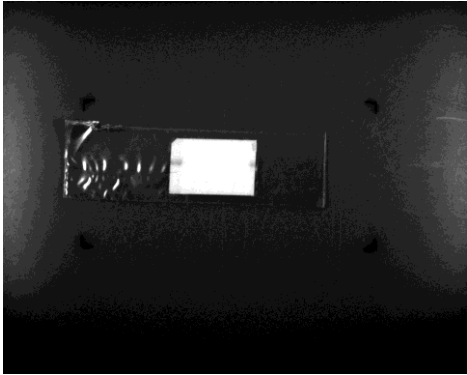
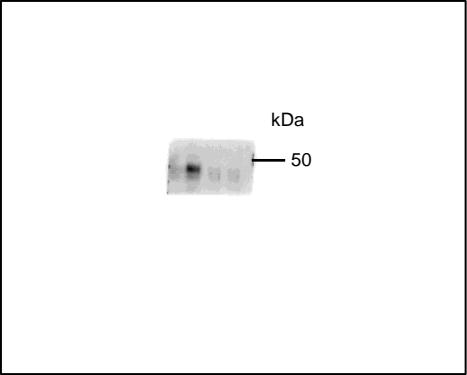


GAPDH

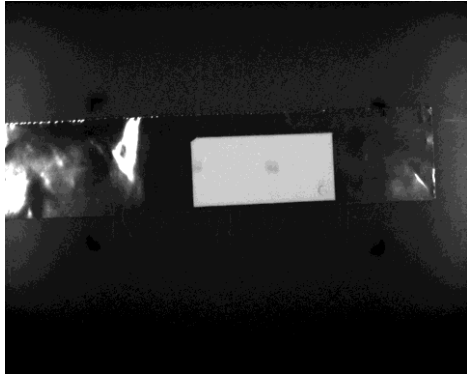
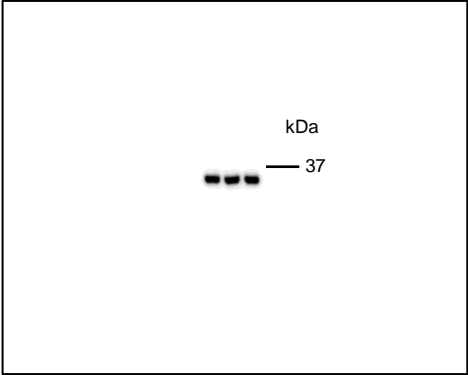


Full unedited blot for Supplemental Figure 2K

cyclinE1

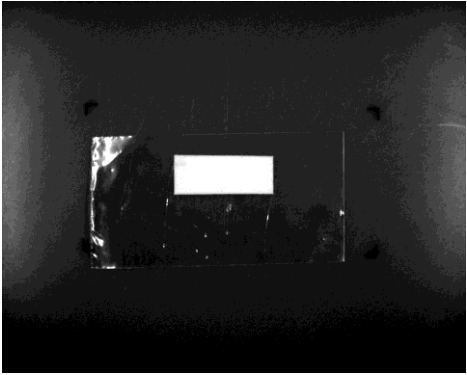
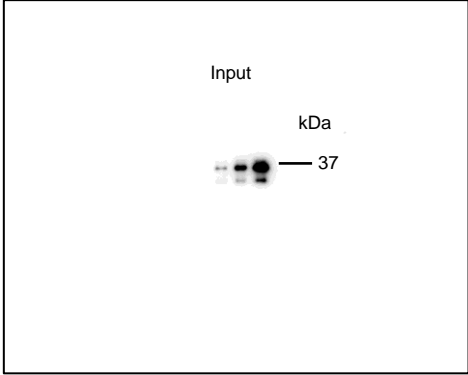
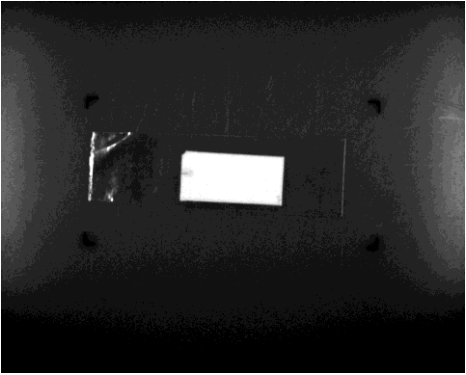
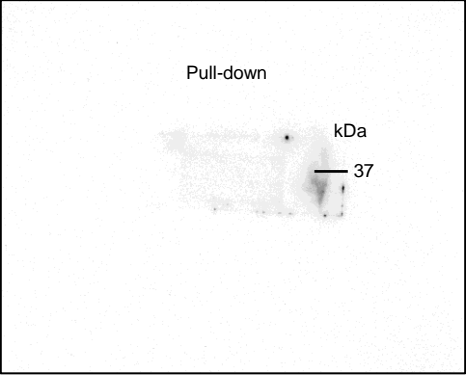


GAPDH

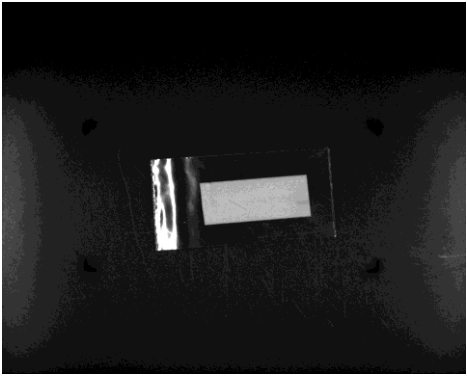
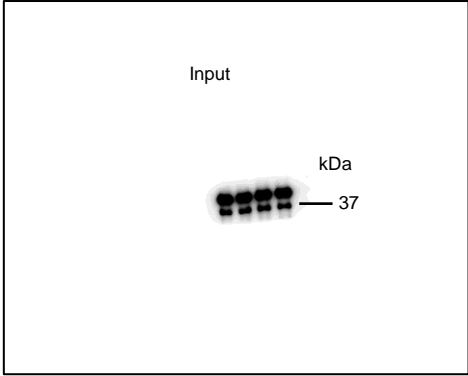
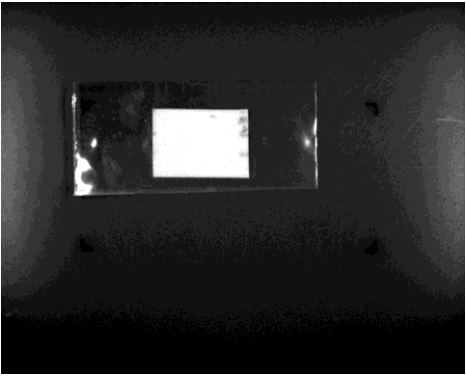
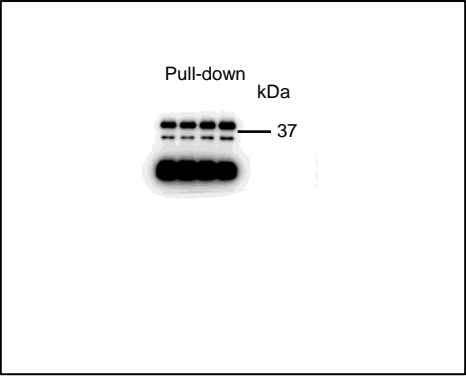


Full unedited blot for Supplemental Figure 2L

**GST-FLAG-
CDK2(K)**

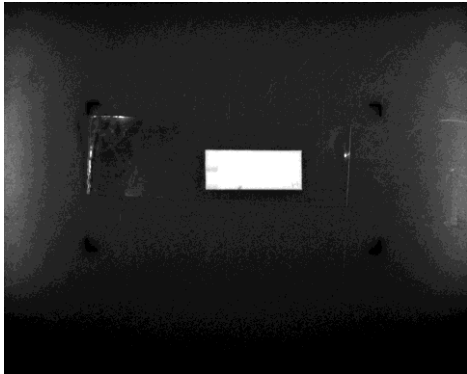
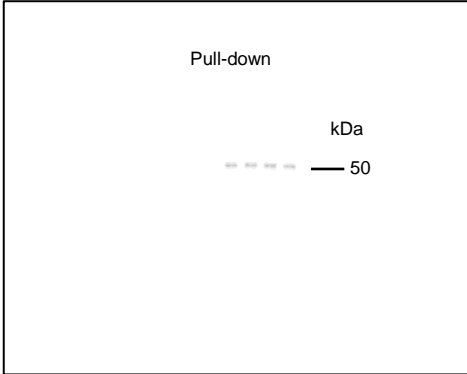
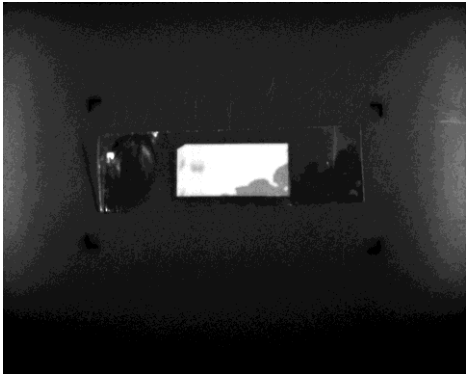
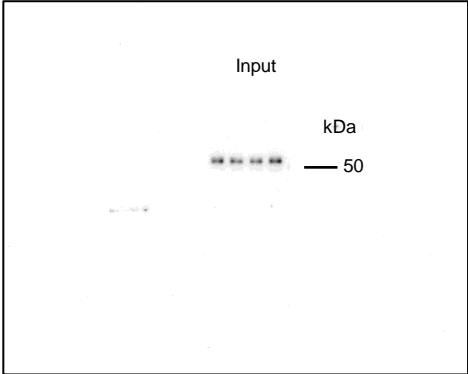


**GST-MYC-
CDK3(K)**



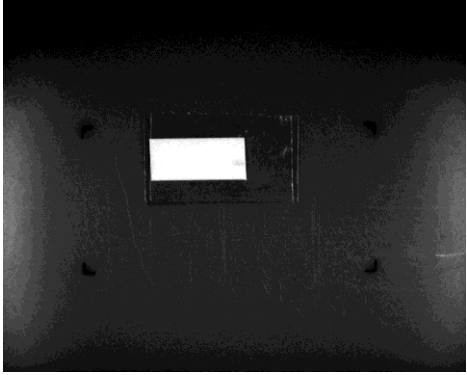
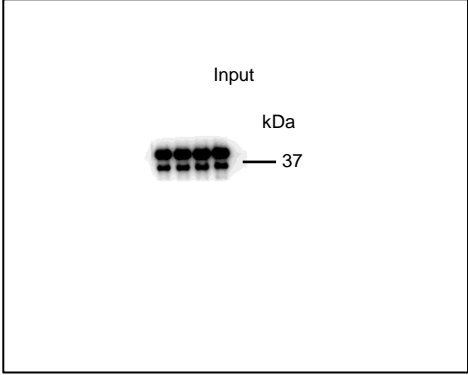
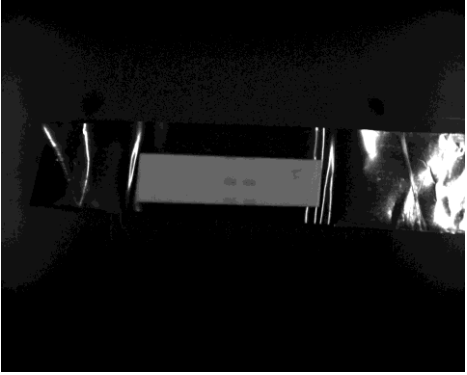
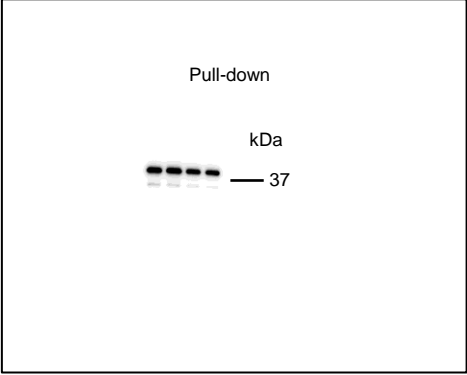
Full unedited blot for Supplemental Figure 2L

**His-HA-
cyclinA2**

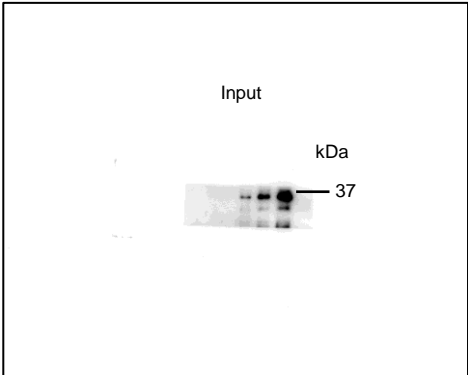
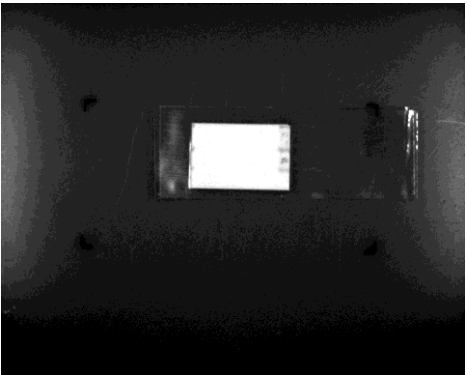
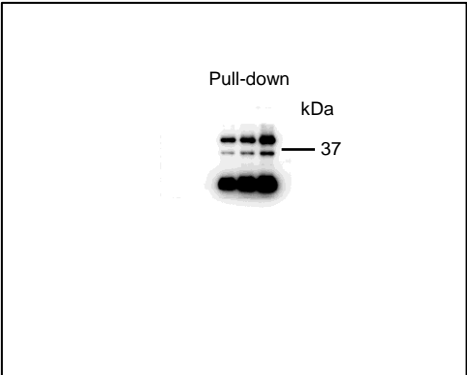


Full unedited blot for Supplemental Figure 2M

**GST-FLAG-
CDK2(K)**

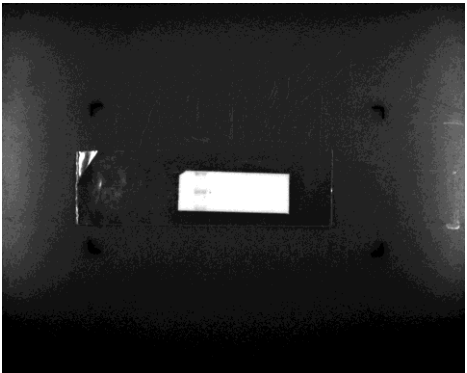
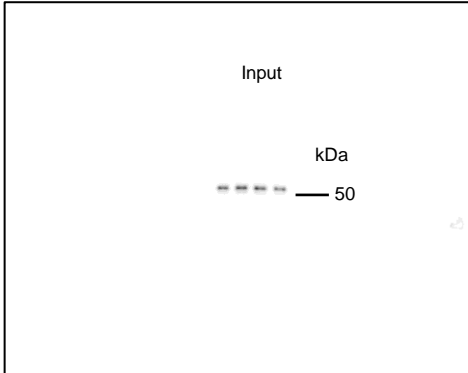
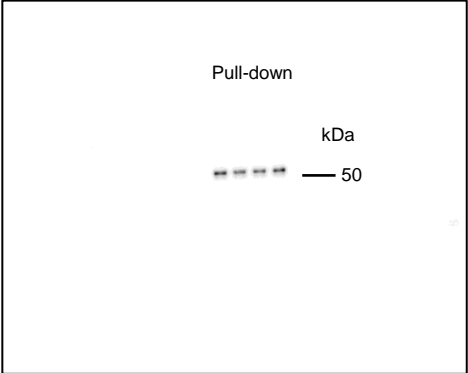


**GST-MYC-
CDKL3(K)**



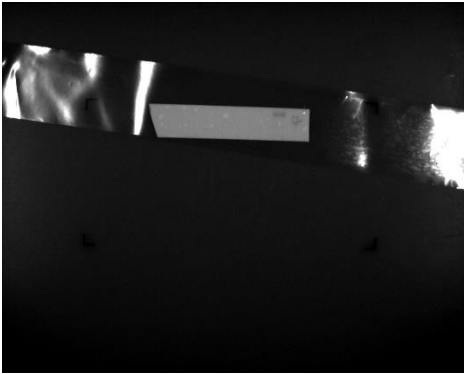
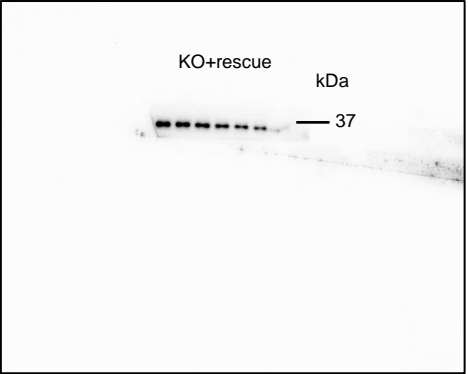
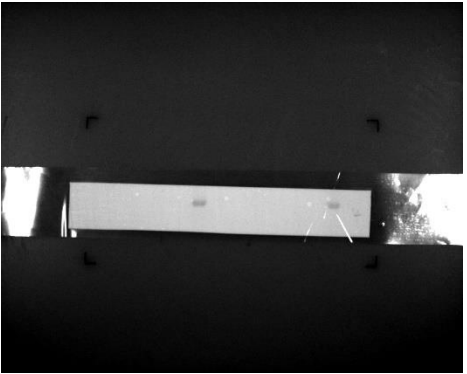
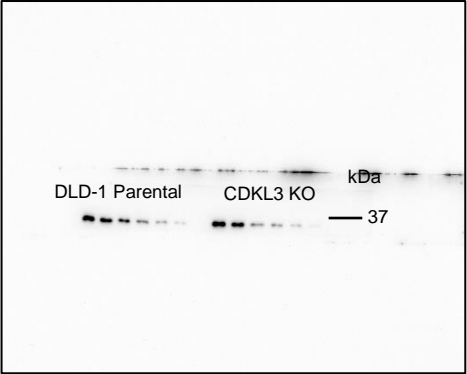
Full unedited blot for Supplemental Figure 2M

**His-HA-
cyclinA2**

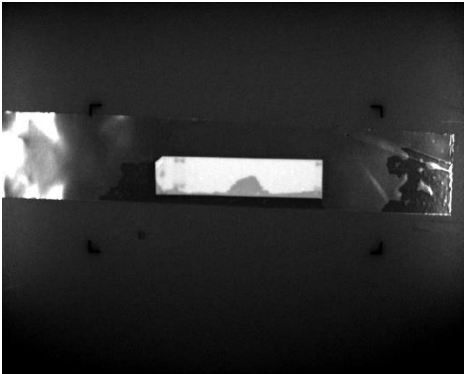
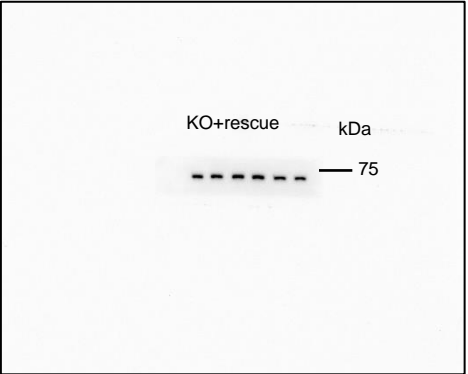
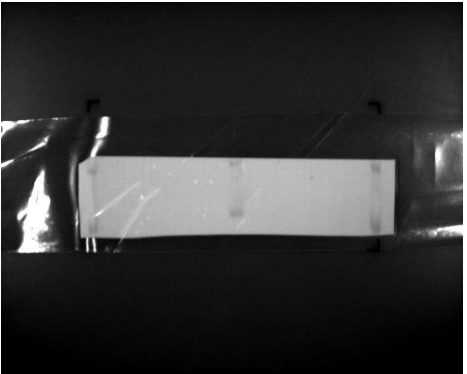
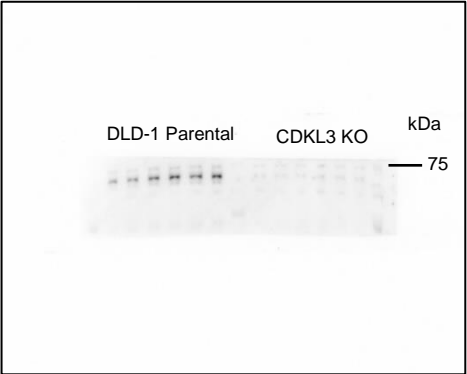


Full unedited blot for Supplemental Figure 3B

CDK4

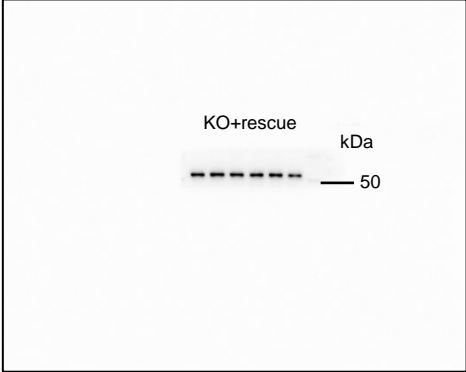
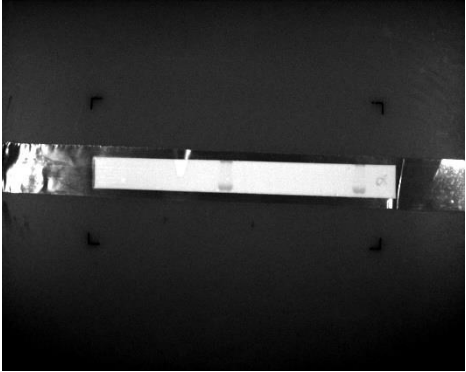
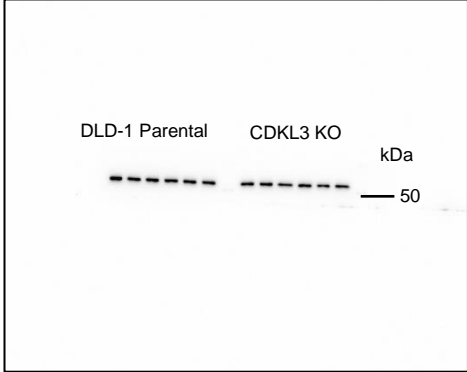


CDKL3



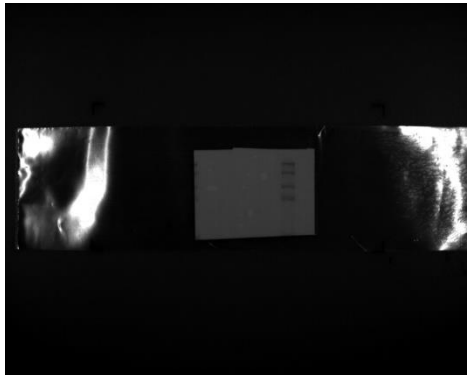
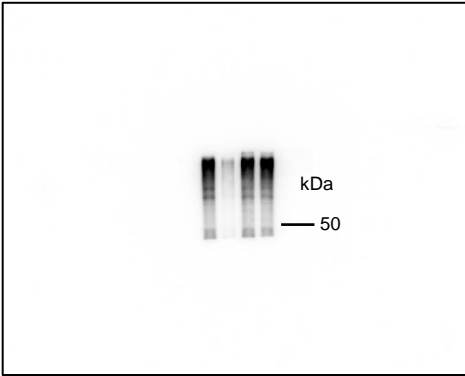
Full unedited blot for Supplemental Figure 3B

α -tubulin

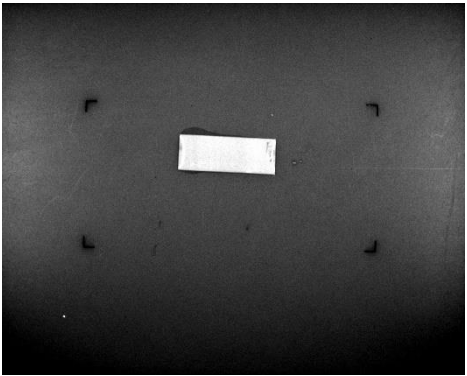
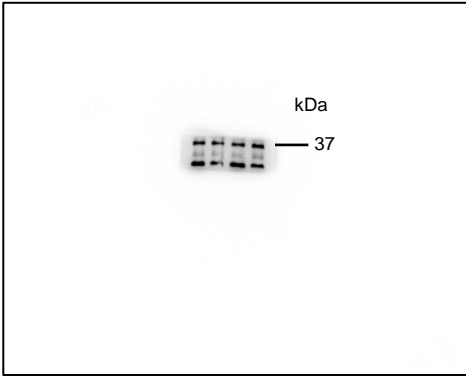


Full unedited blot for Supplemental Figure 3C

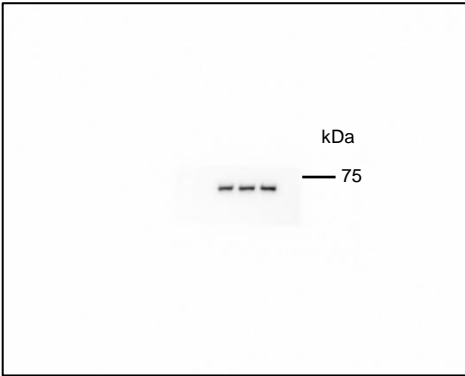
V5-Ub



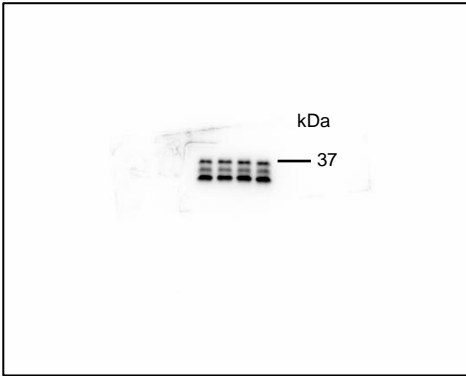
MYC-
CDK4



FLAG-
CDKL3

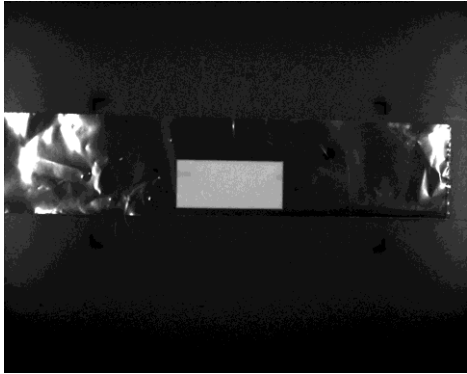
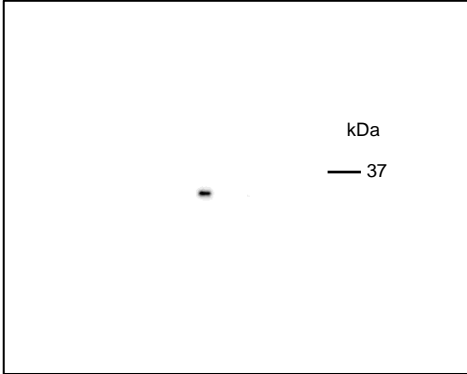


MYC-
CDK4

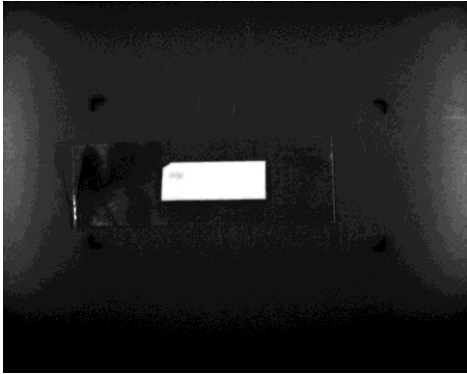
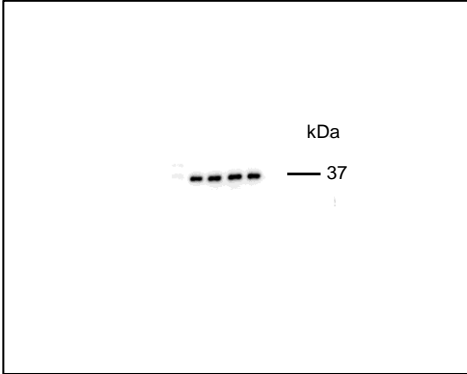


Full unedited blot for Supplemental Figure 3D

CDK4

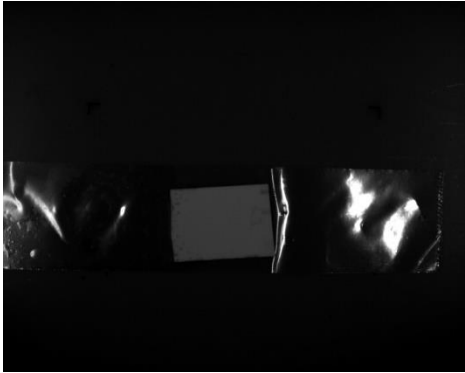
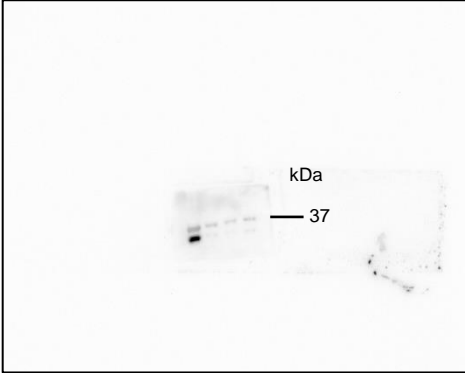


GAPDH

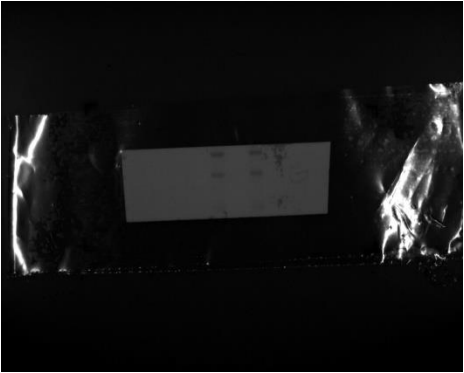


Full unedited blot for Supplemental Figure 3E

CDK4

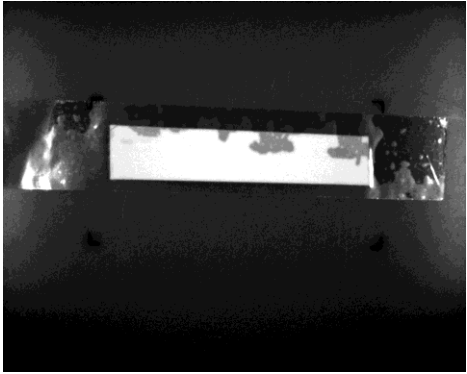
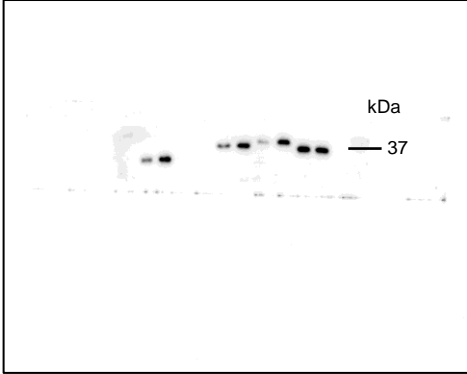


GAPDH

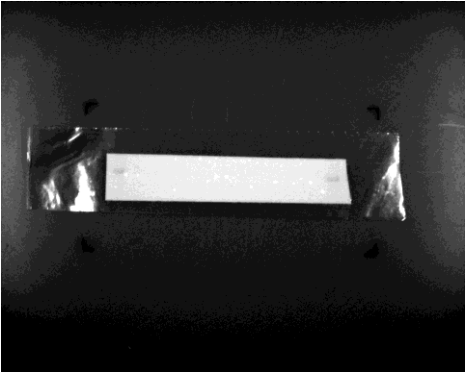
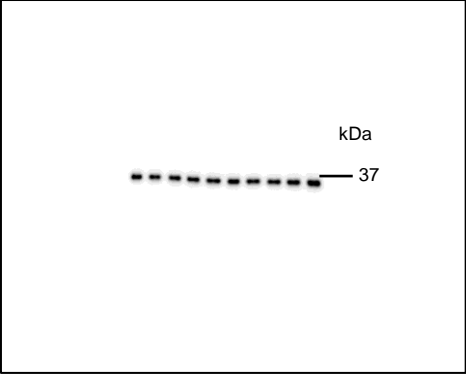


Full unedited blot for Supplemental Figure 3F

CDK4

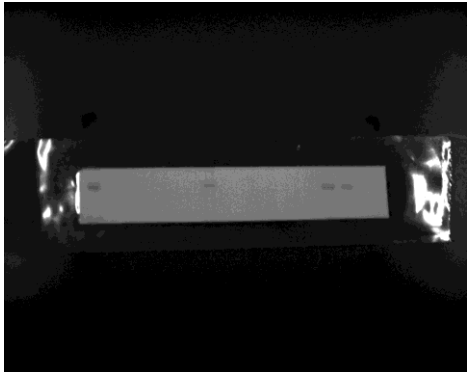
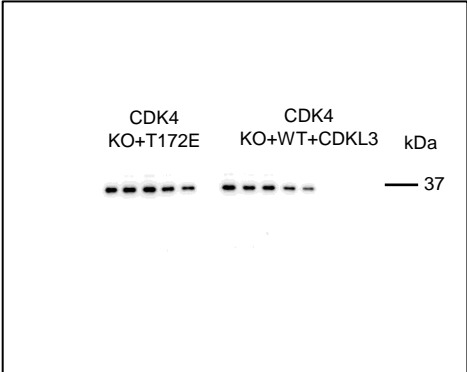
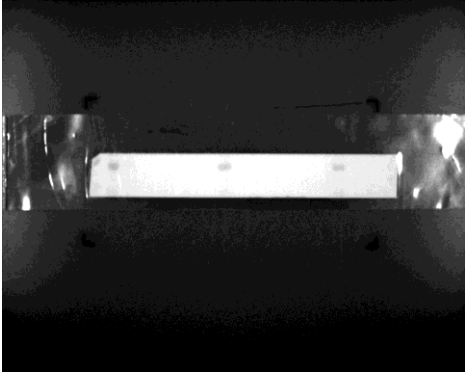
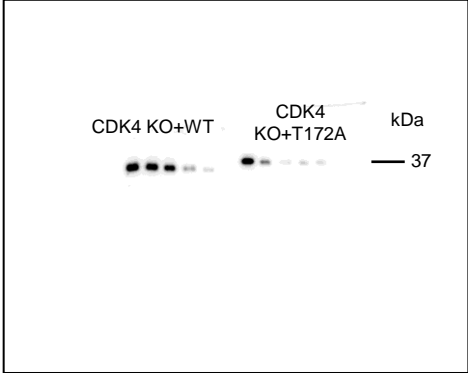
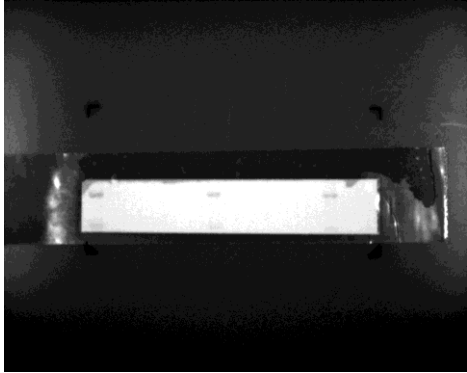
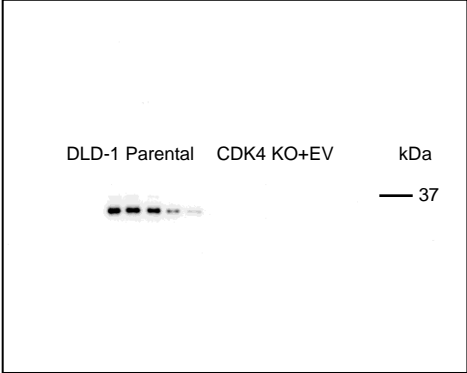


GAPDH



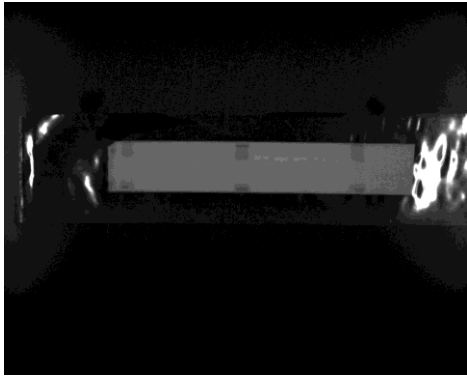
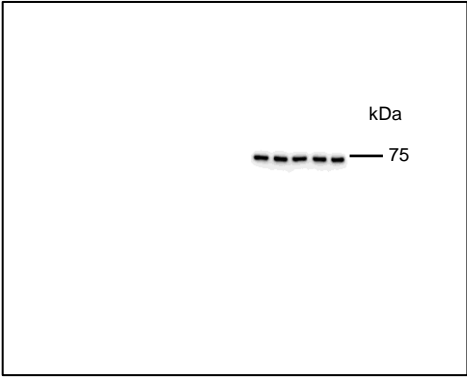
Full unedited blot for Supplemental Figure 3G

CDK4

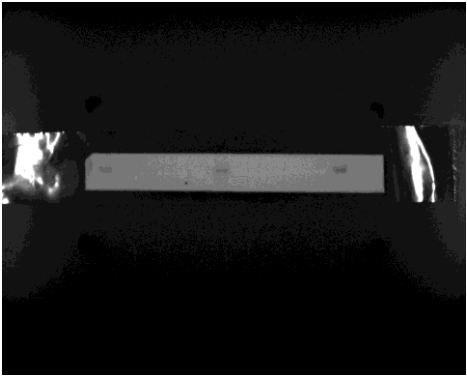
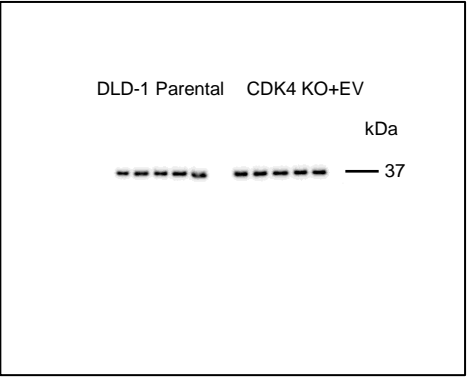


Full unedited blot for Supplemental Figure 3G

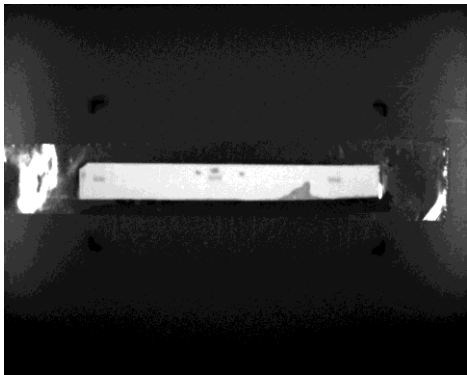
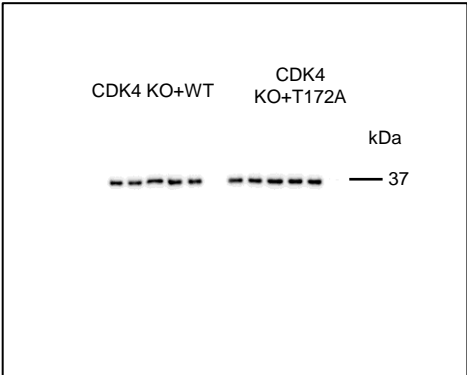
**MYC-
CDKL3**



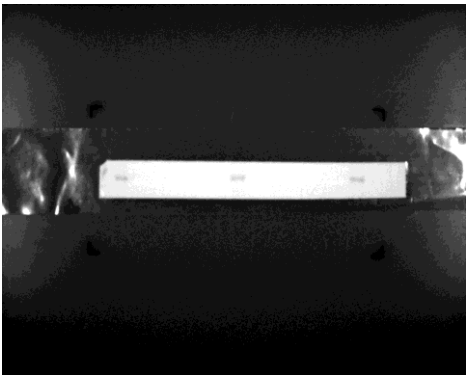
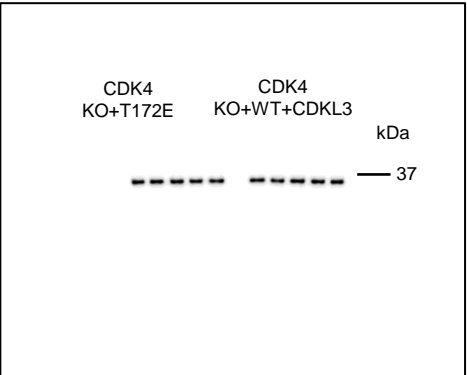
GAPDH



GAPDH

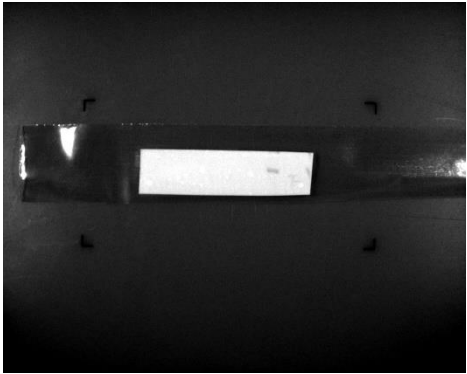
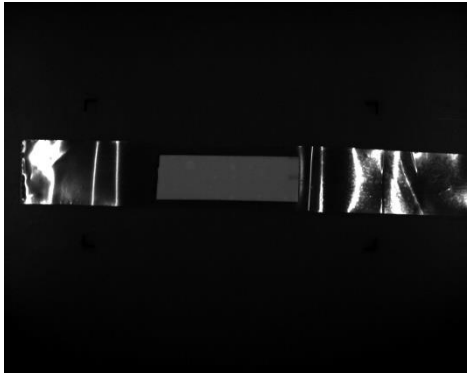
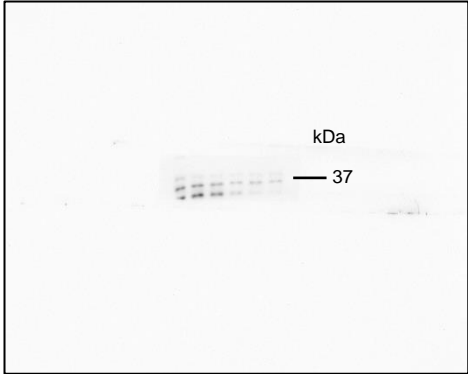


GAPDH



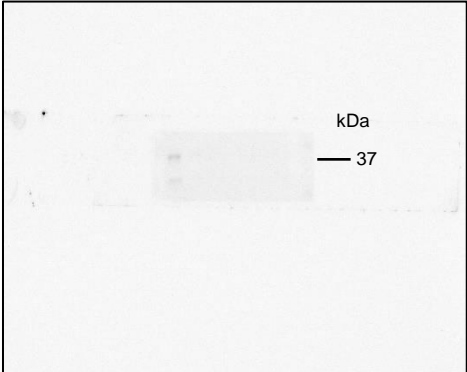
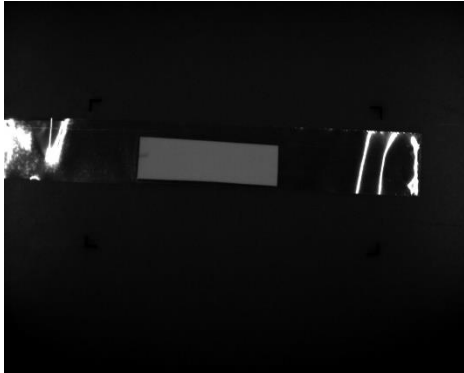
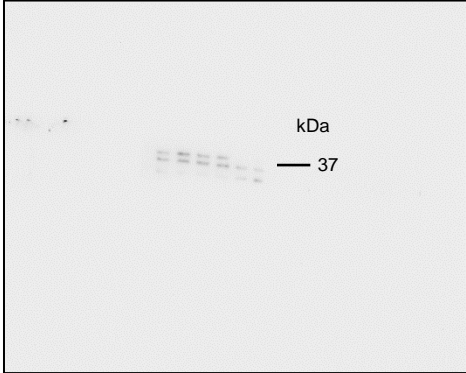
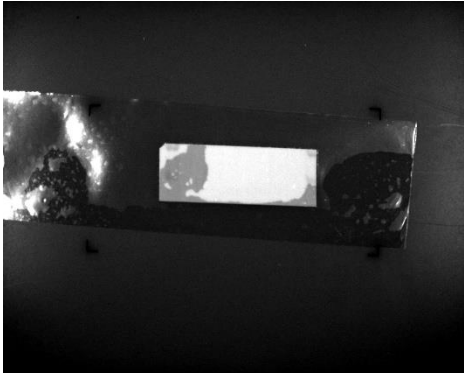
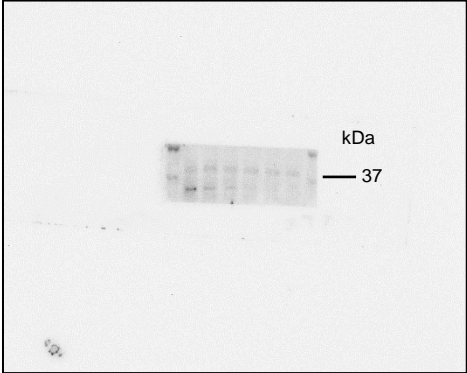
Full unedited blot for Supplemental Figure 3H

**MYC-
CDK4**



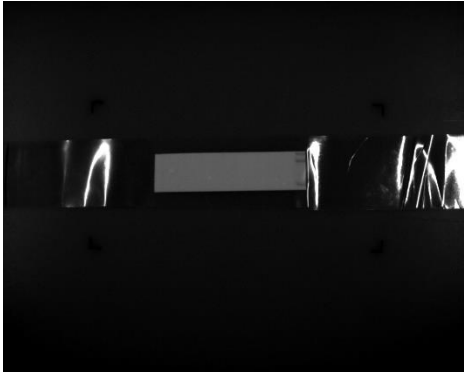
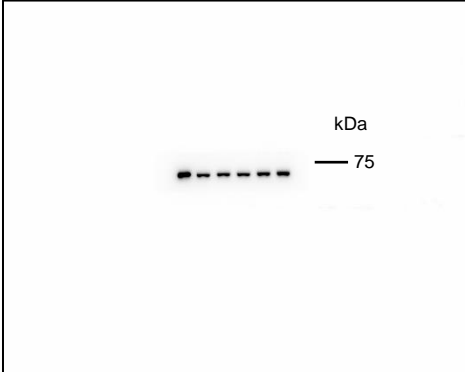
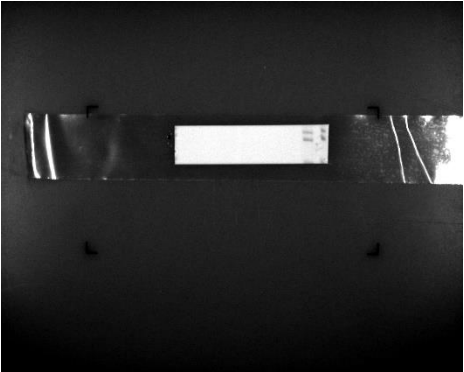
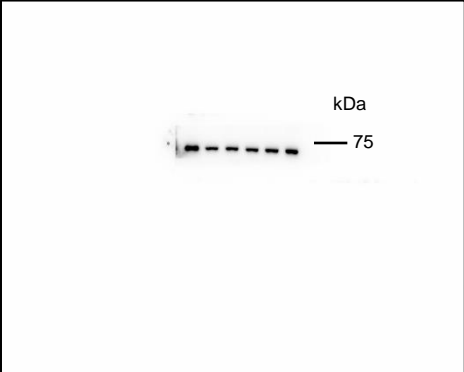
Full unedited blot for Supplemental Figure 3H

**MYC-
CDK4**



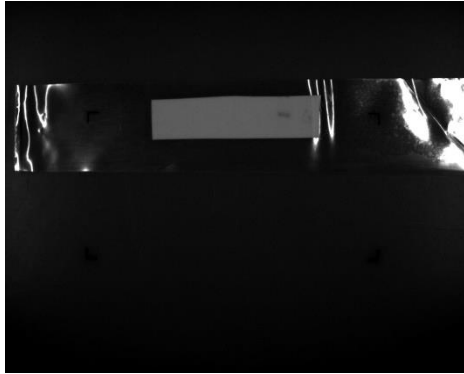
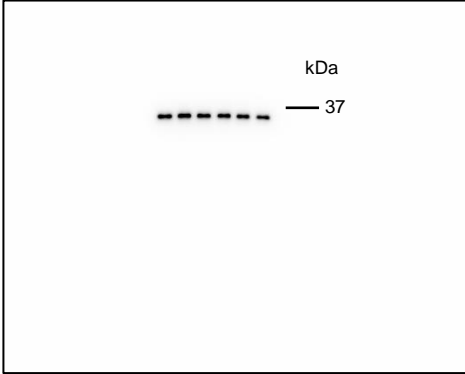
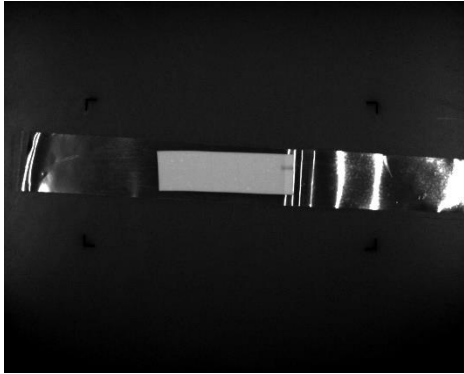
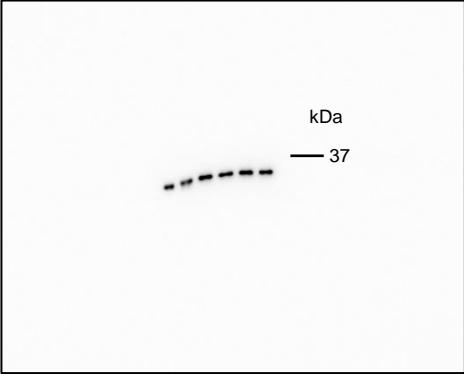
Full unedited blot for Supplemental Figure 3H

**FLAG-
CDKL3**

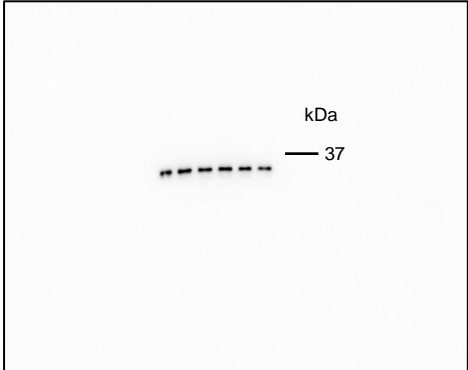
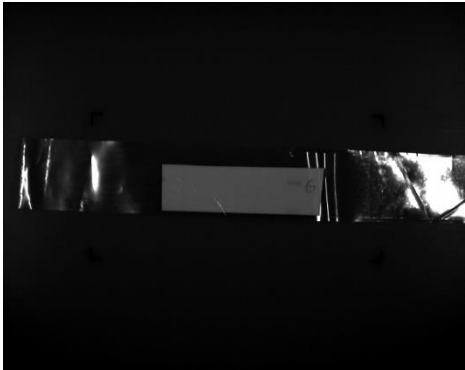
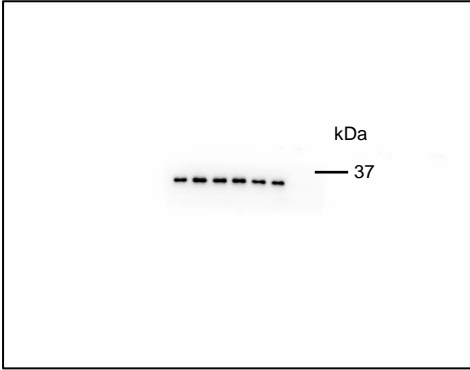


Full unedited blot for Supplemental Figure 3H

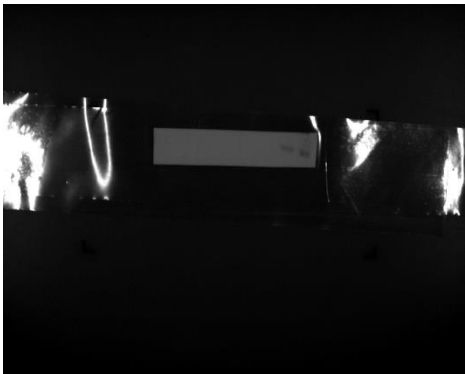
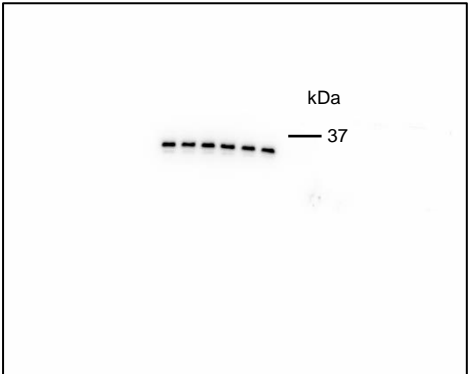
GAPDH



Full unedited blot for Supplemental Figure 3H

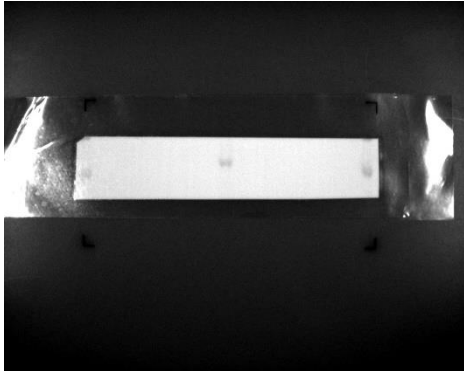
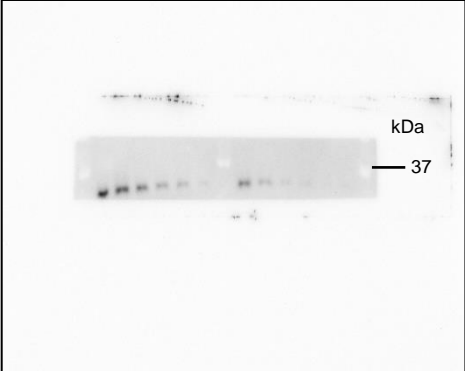


GAPDH

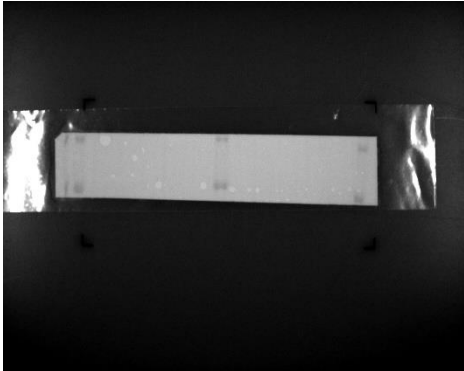
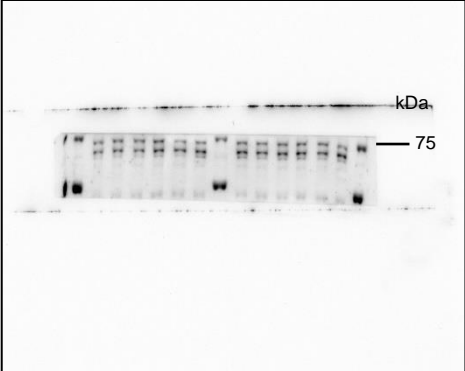


Full unedited blot for Supplemental Figure 3J

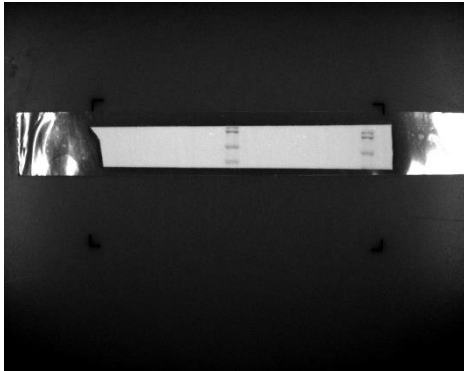
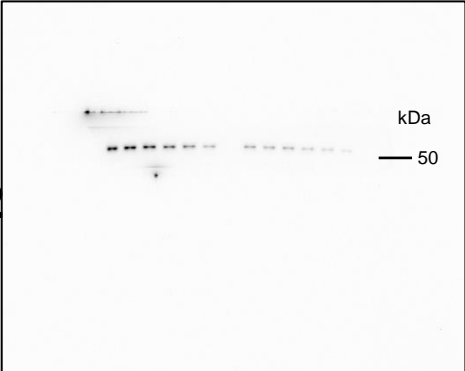
CDK4



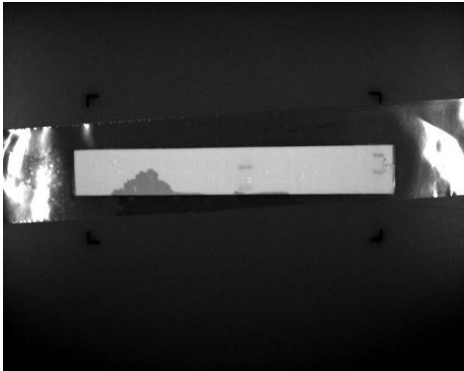
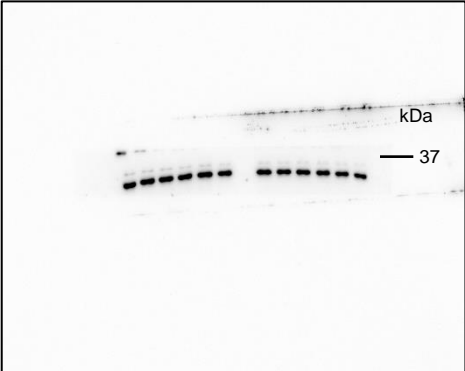
CDKL3



cyclinA2

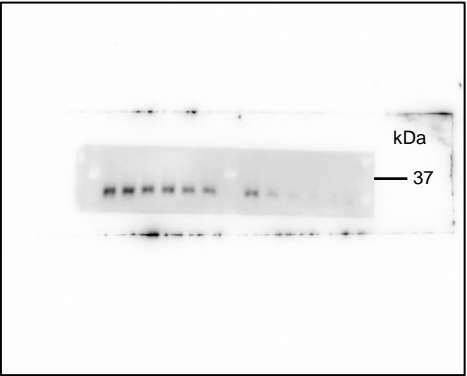


GAPDH

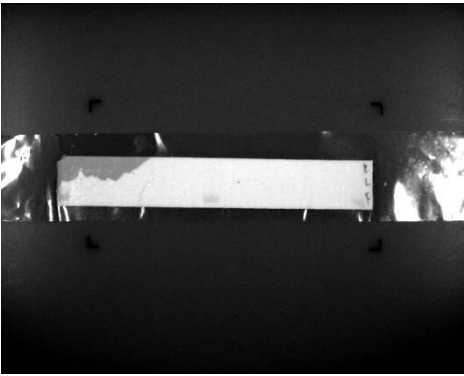
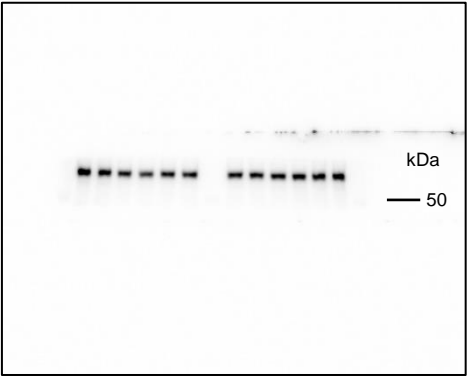


Full unedited blot for Supplemental Figure 3J

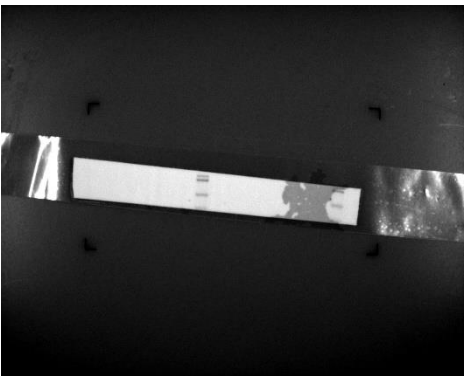
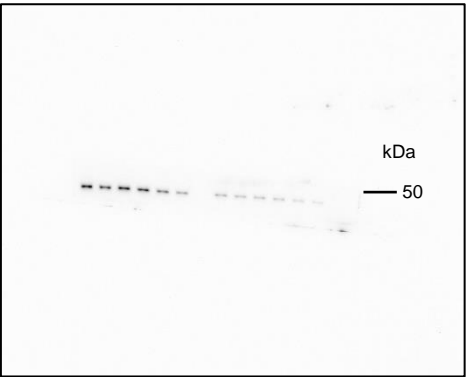
CDK4



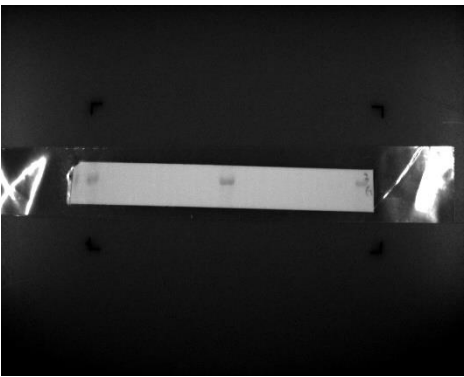
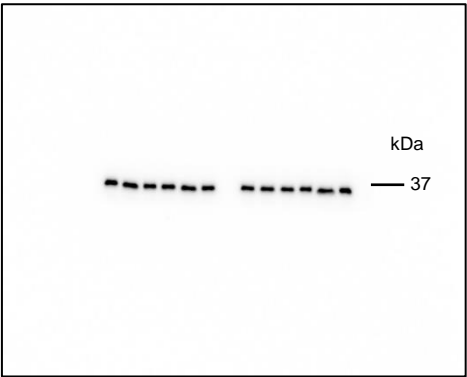
CDKL3



cyclinA

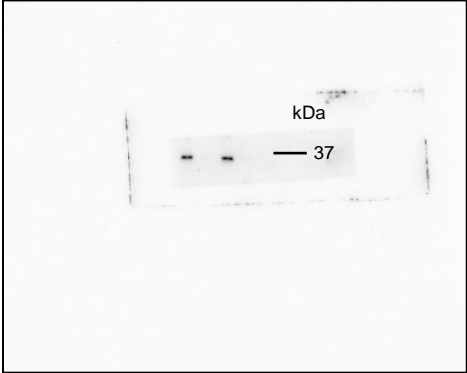


GAPDH

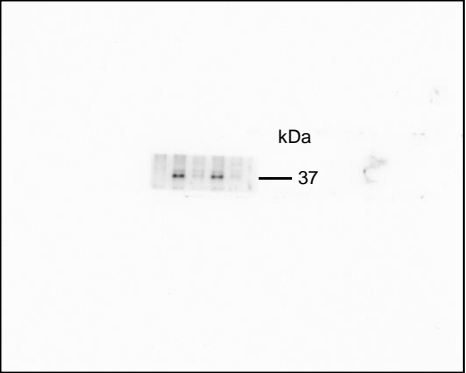


Full unedited blot for Supplemental Figure 3K

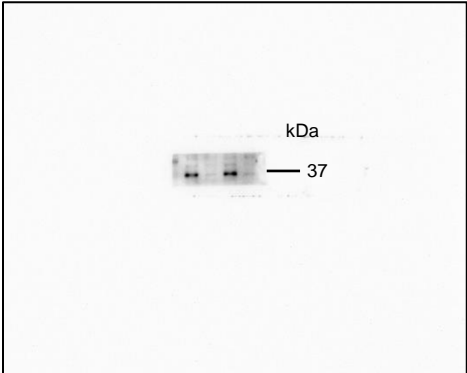
cyclinD1



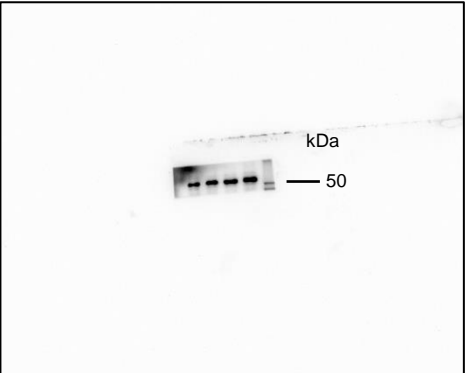
cyclinD2



cyclinD3

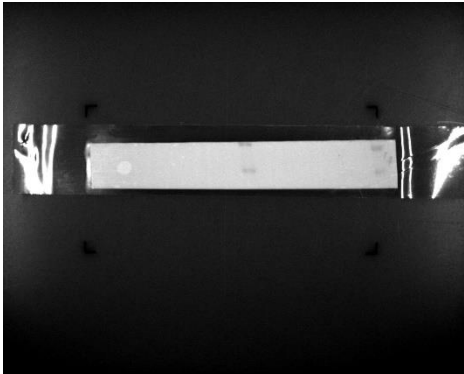
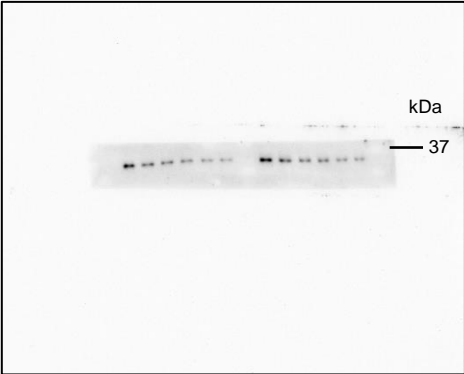


α -tubulin

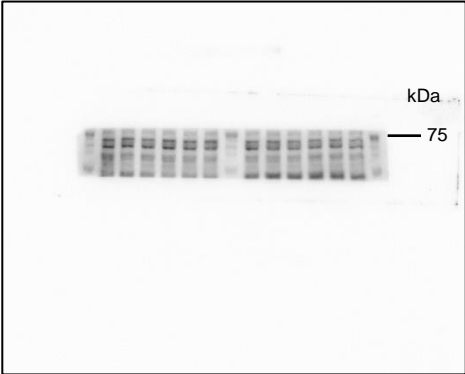


Full unedited blot for Supplemental Figure 3L

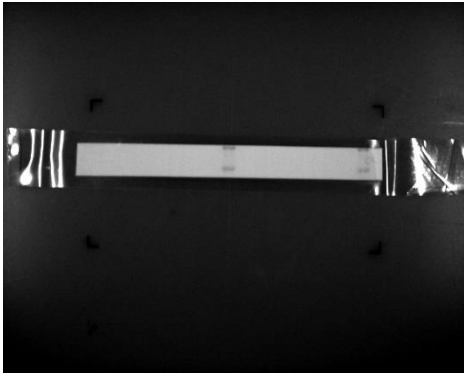
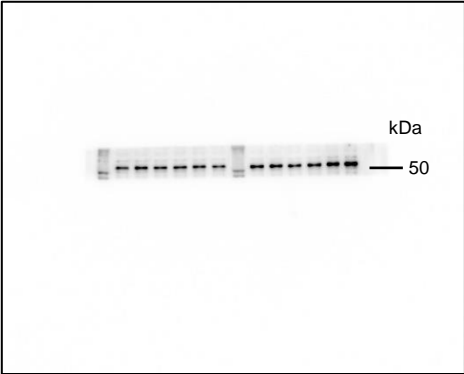
CDK4



CDKL3

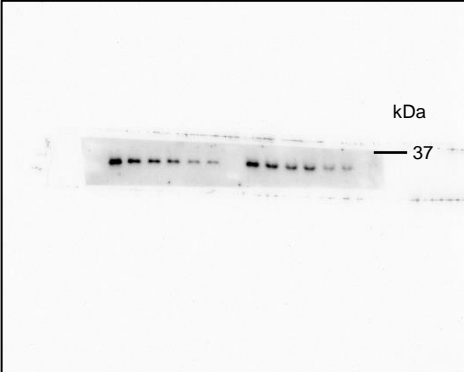


α -tubulin

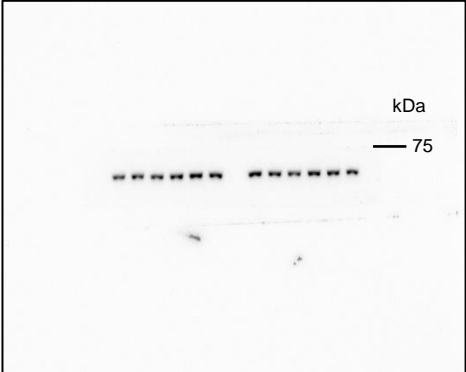


Full unedited blot for Supplemental Figure 3L

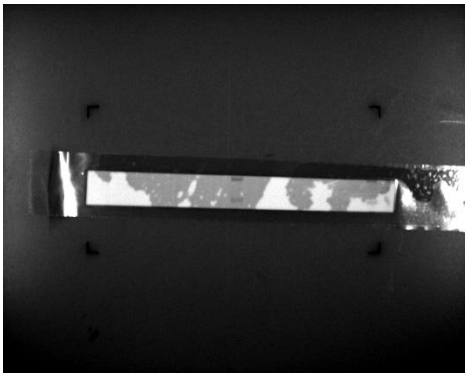
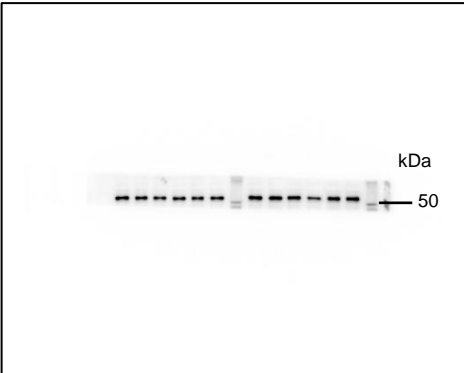
CDK4



**FLAG
-CDKL3**

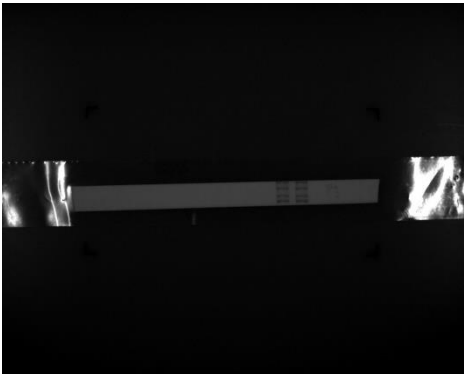
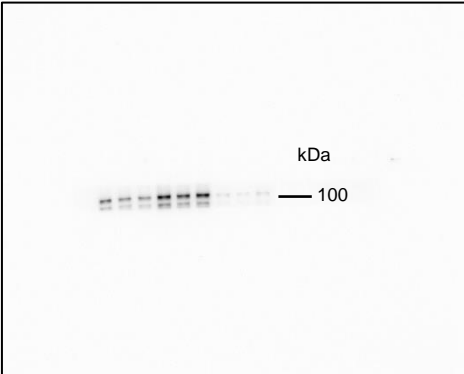


α -tubulin

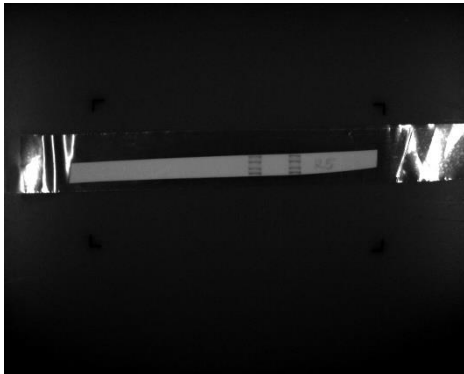
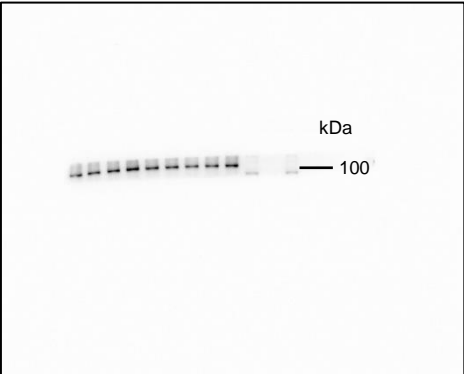


Full unedited blot for Supplemental Figure 3Q

pRb

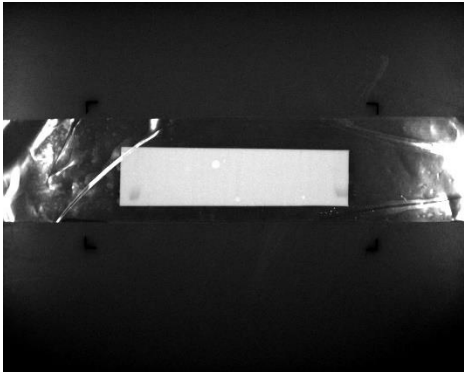
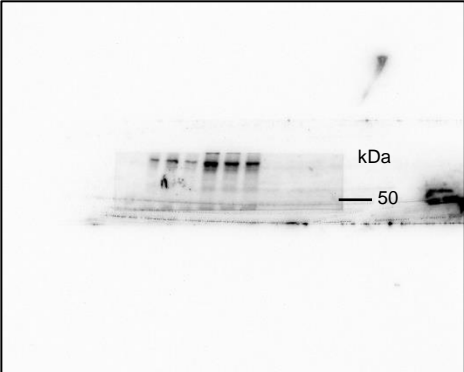


Rb

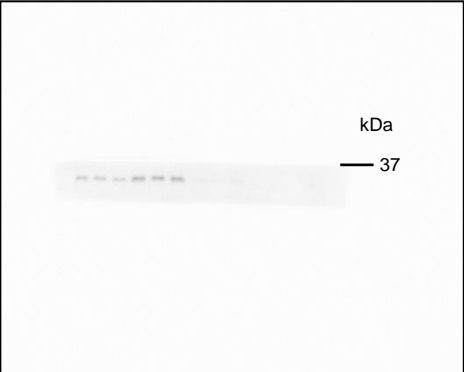


Full unedited blot for Supplemental Figure 3Q

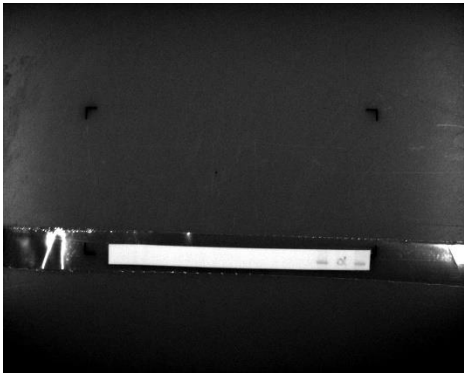
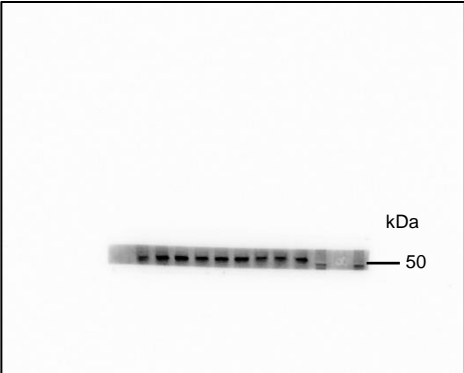
CDKL3



CDK4

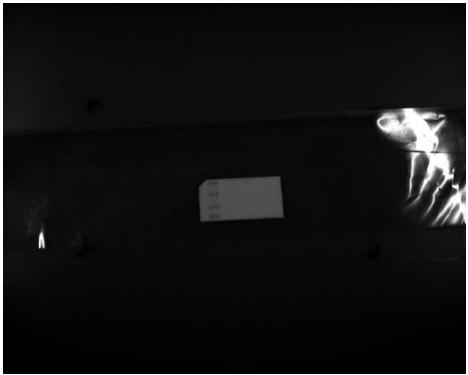
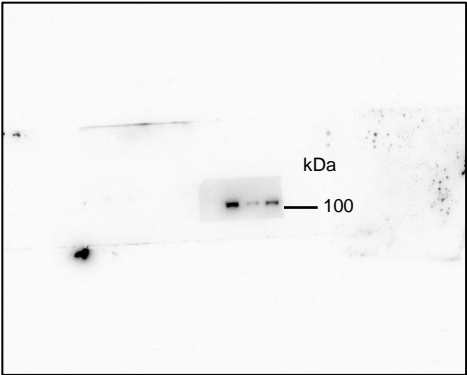


α -tubulin

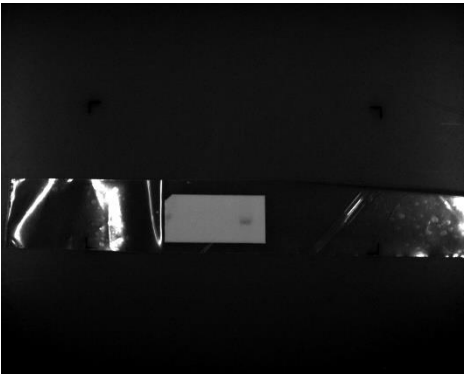
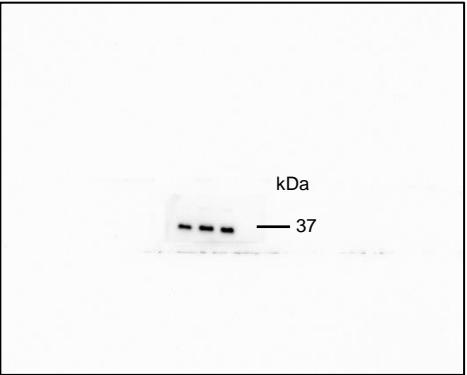


Full unedited blot for Supplemental Figure 4B

Trim28

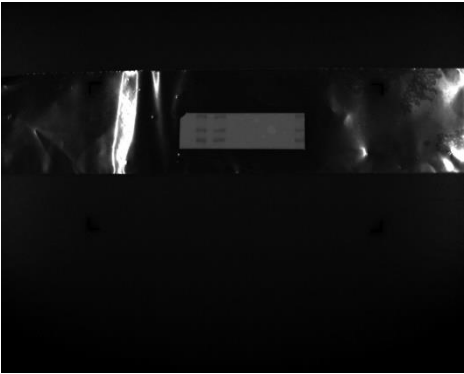
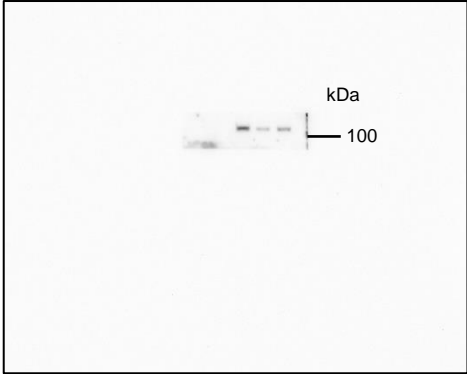


GAPDH

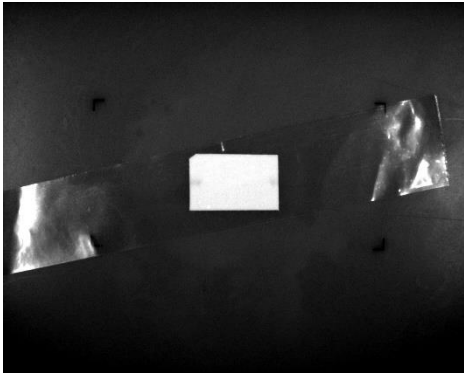
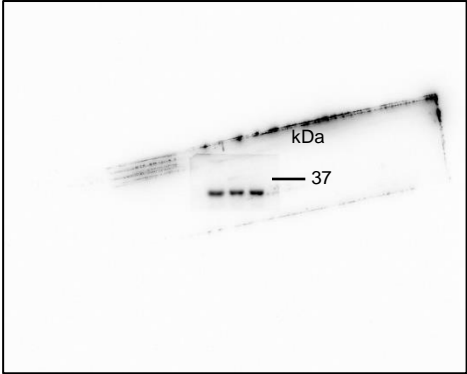


Full unedited blot for Supplemental Figure 4D

Trim28

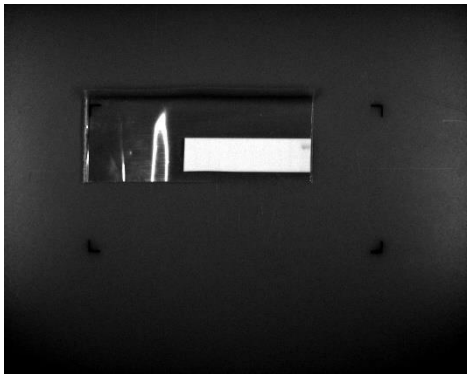
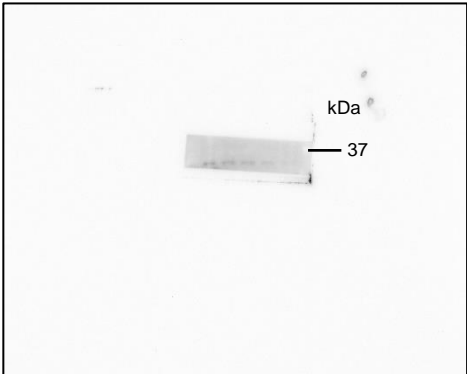
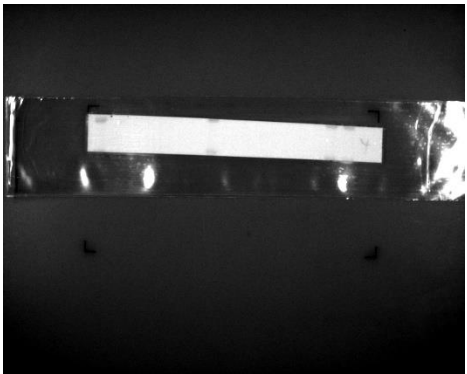
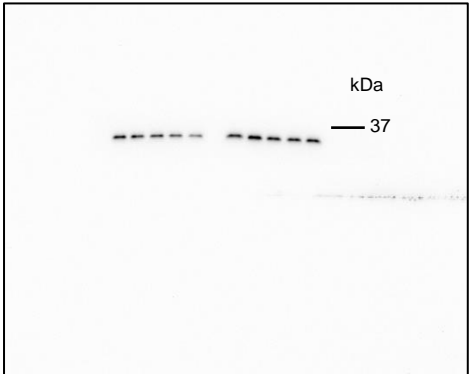


GAPDH

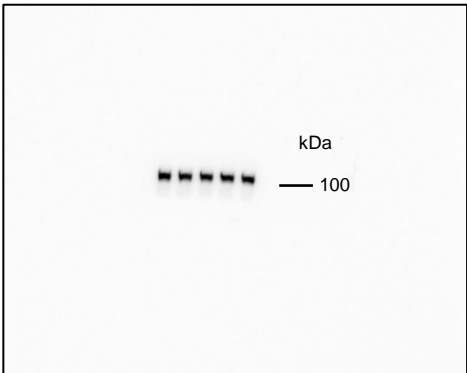
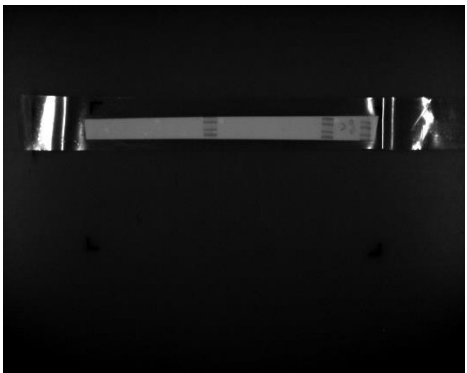
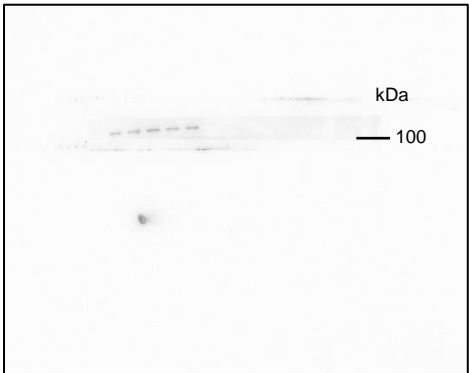


Full unedited blot for Supplemental Figure 4E

CDK4

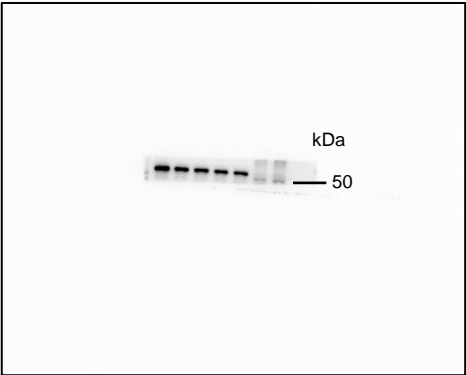
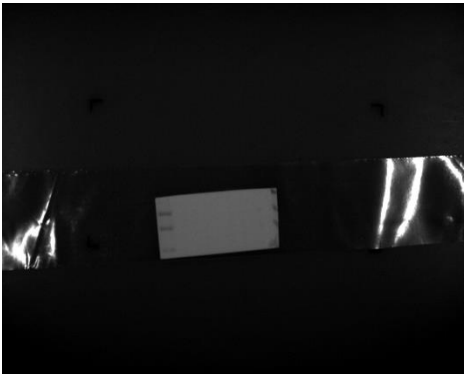
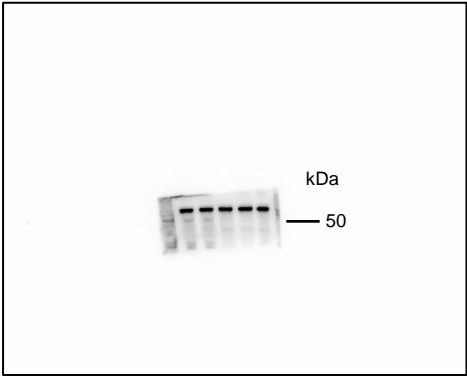
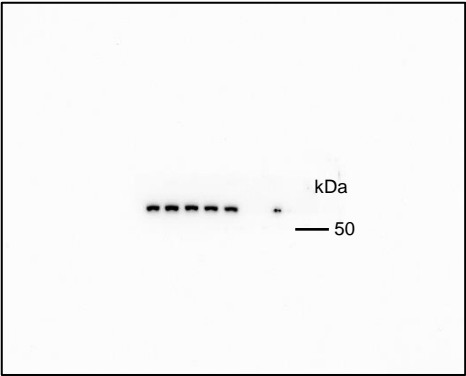


Trim28

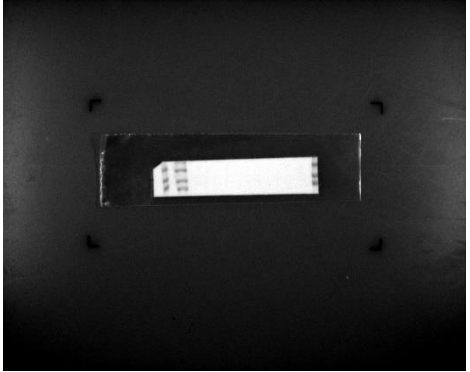
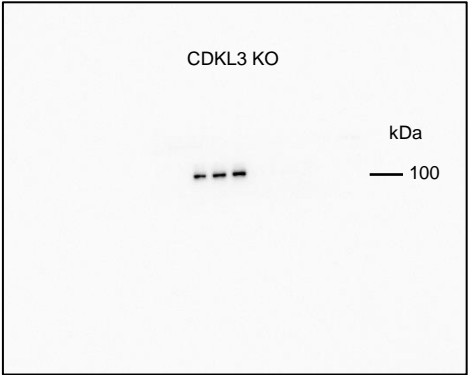
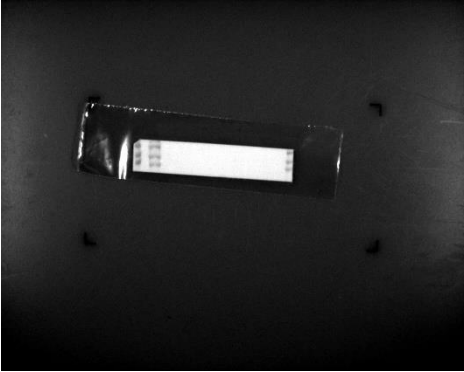
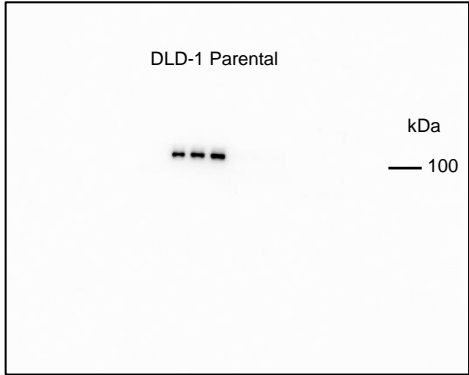


Full unedited blot for Supplemental Figure 4E

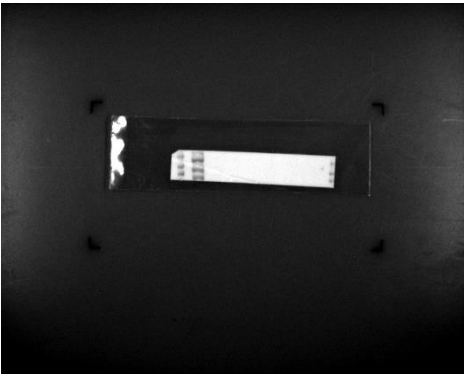
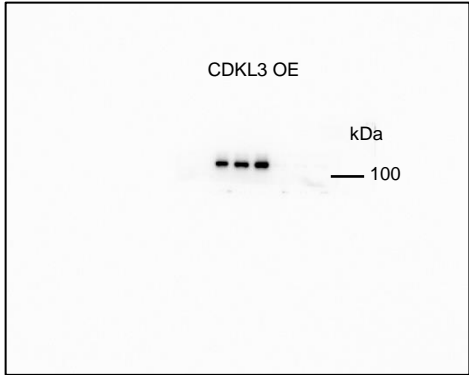
α -tubulin



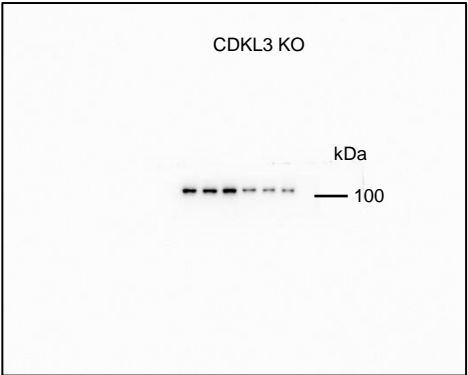
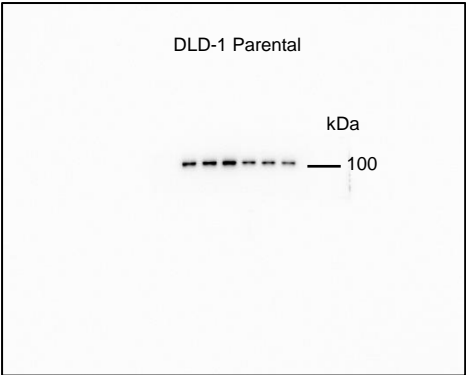
Full unedited blot for Supplemental Figure 5B



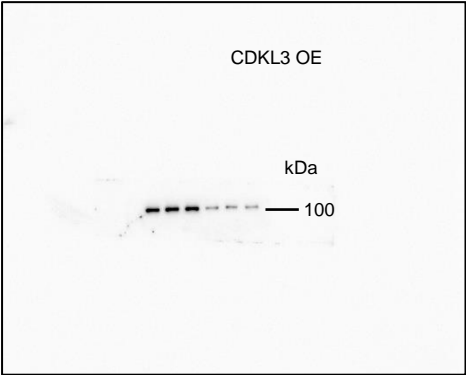
pRb



Full unedited blot for Supplemental Figure 5B

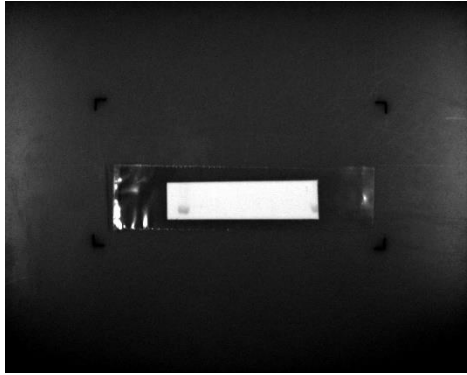


Rb

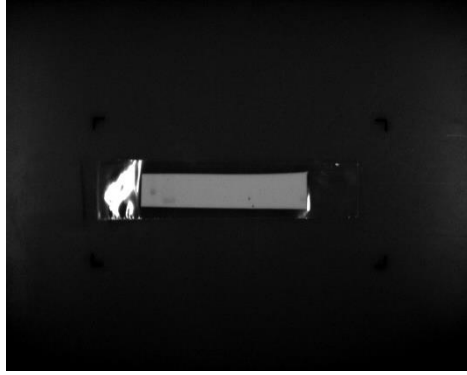
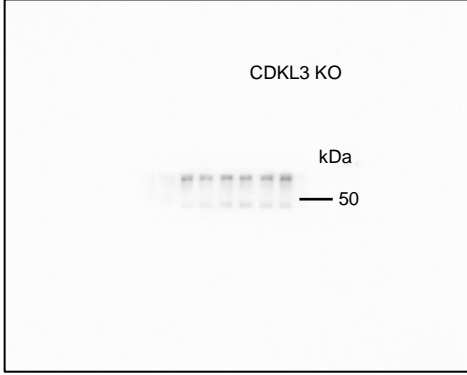


Full unedited blot for Supplemental Figure 5B

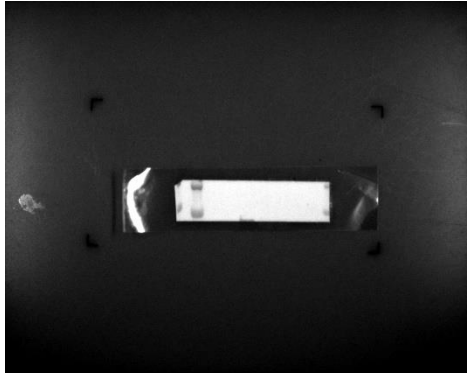
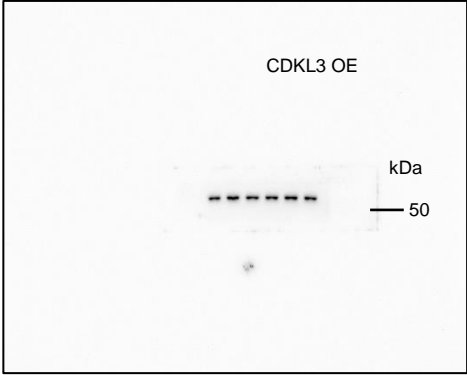
CDKL3



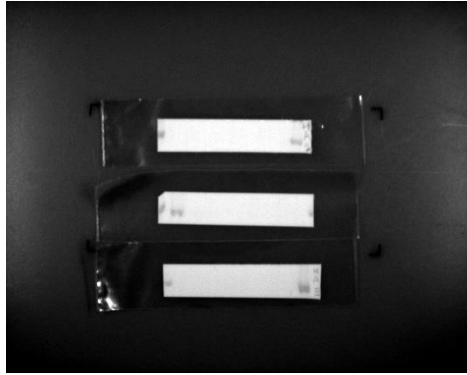
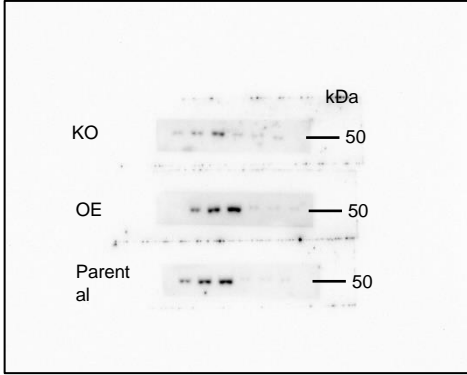
CDKL3



**FLAG-
CDKL3**

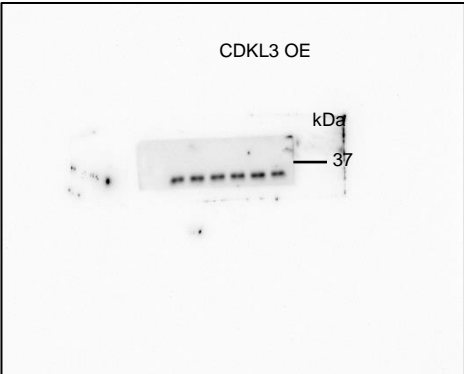
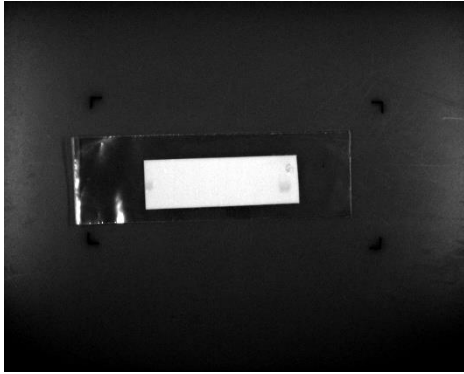
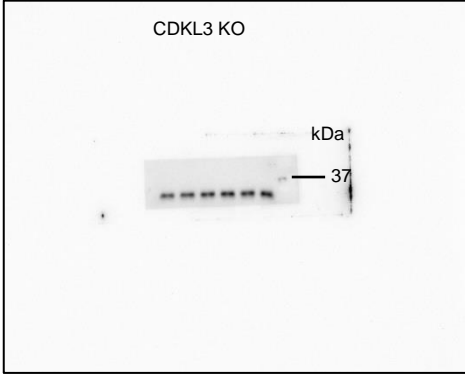
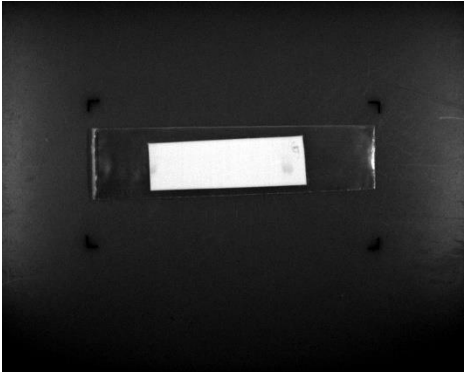
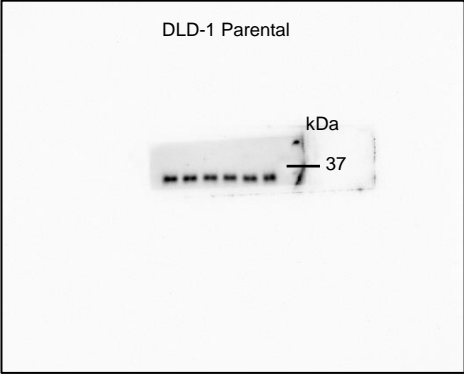


cyclinA2

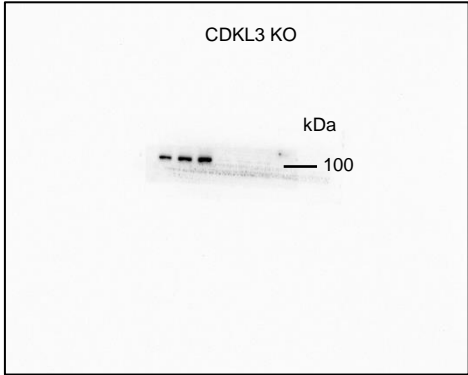
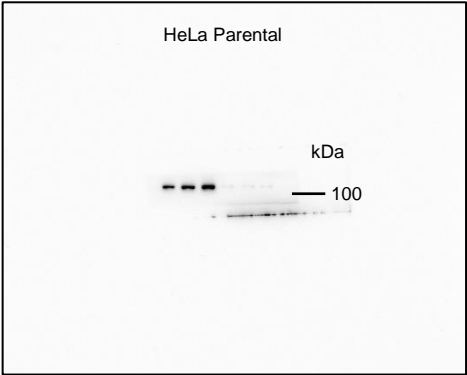


Full unedited blot for Supplemental Figure 5B

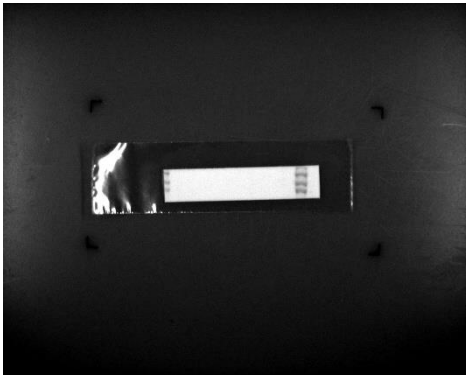
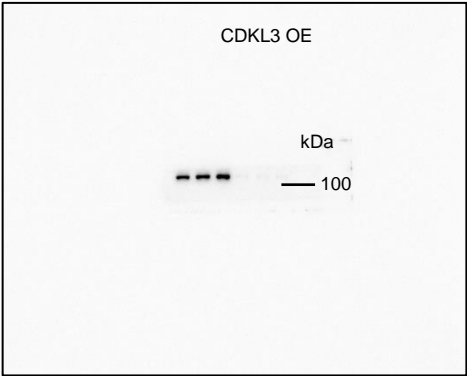
GAPDH



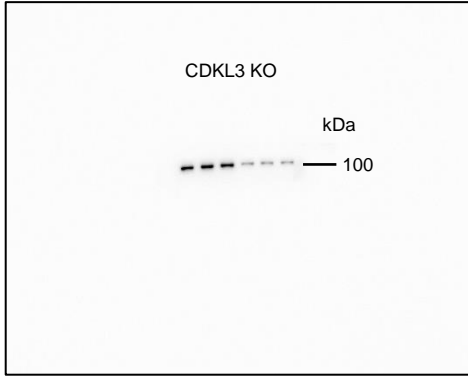
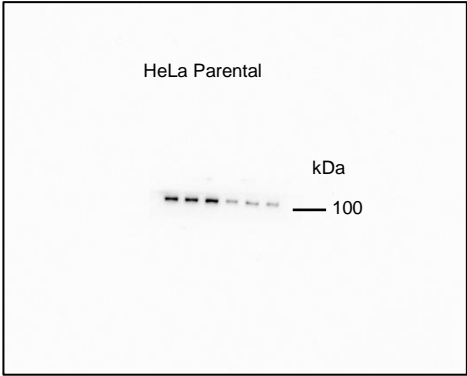
Full unedited blot for Supplemental Figure 5C



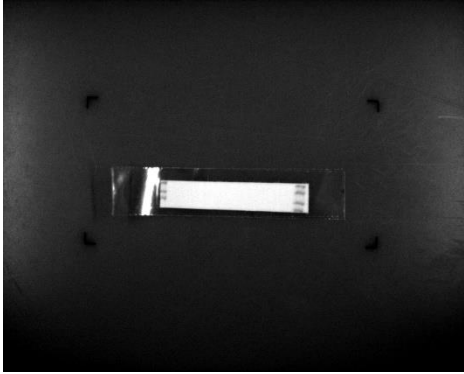
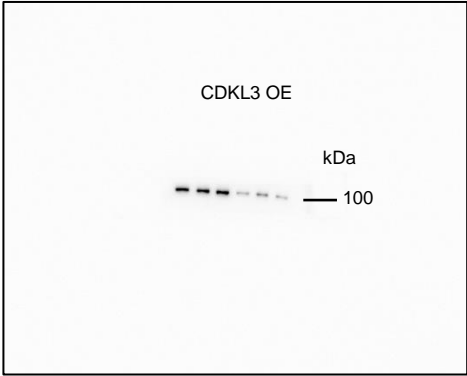
pRb



Full unedited blot for Supplemental Figure 5C

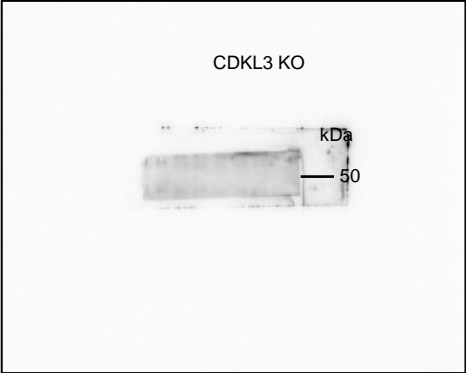
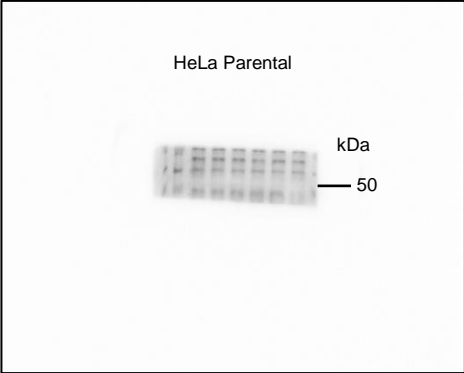


Rb

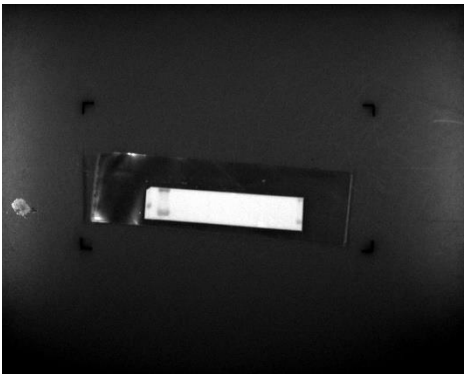
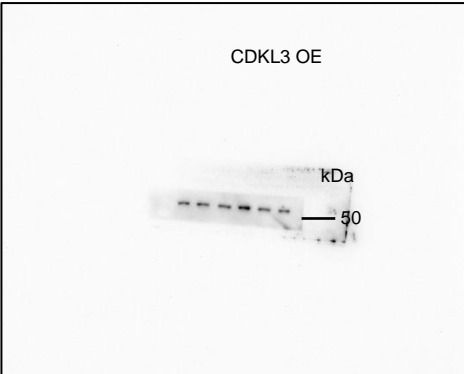


Full unedited blot for Supplemental Figure 5C

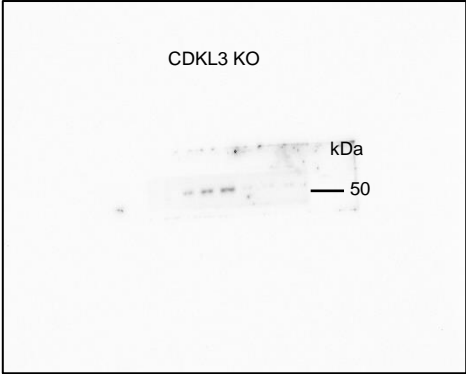
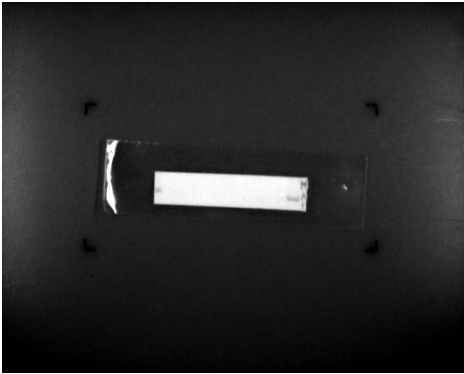
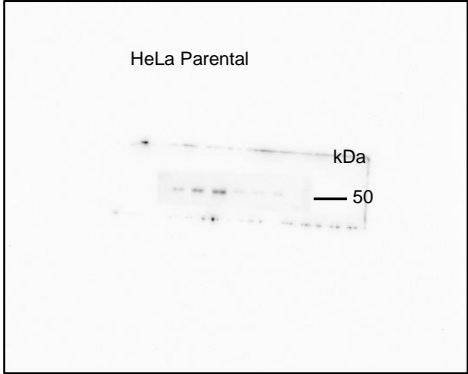
CDKL3



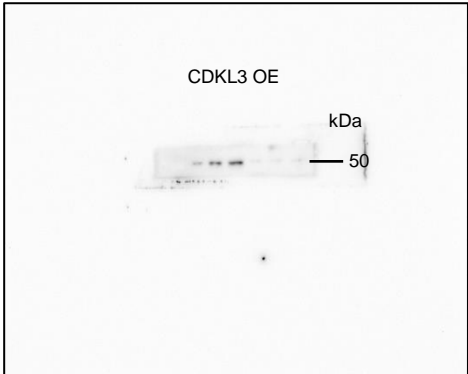
**FLAG-
CDKL3**



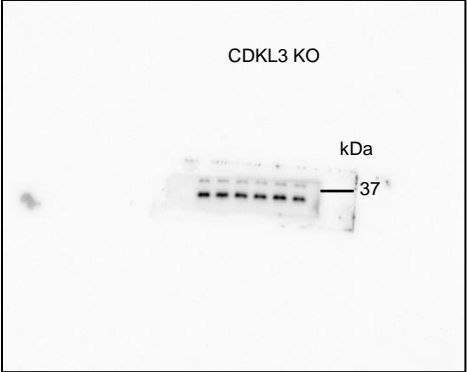
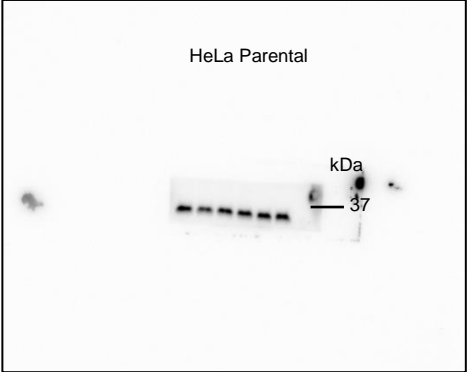
Full unedited blot for Supplemental Figure 5C



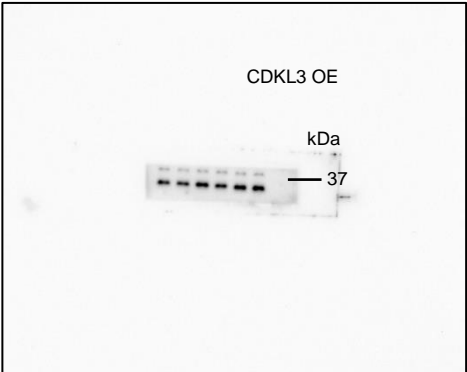
cyclinA2



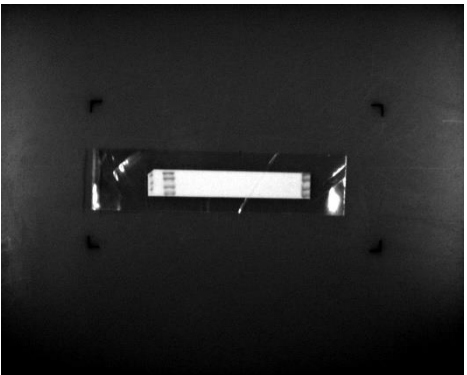
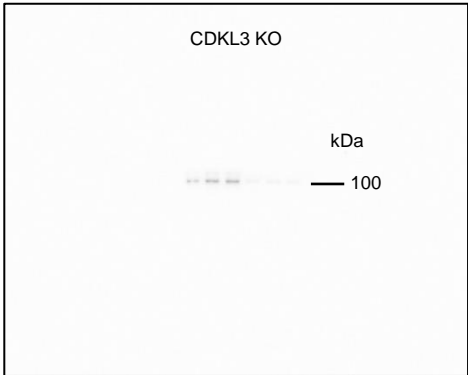
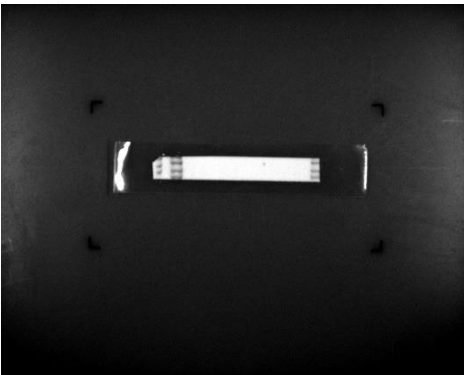
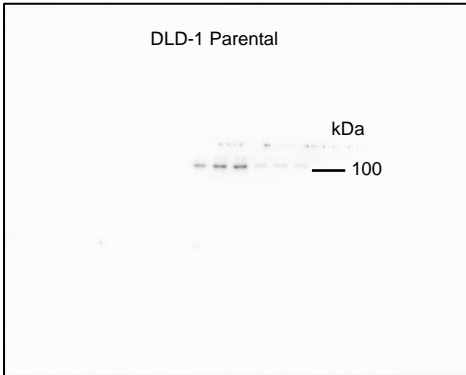
Full unedited blot for Supplemental Figure 5C



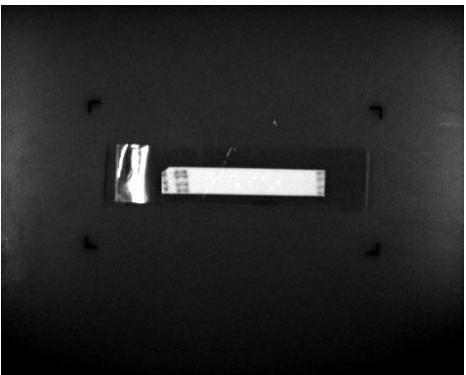
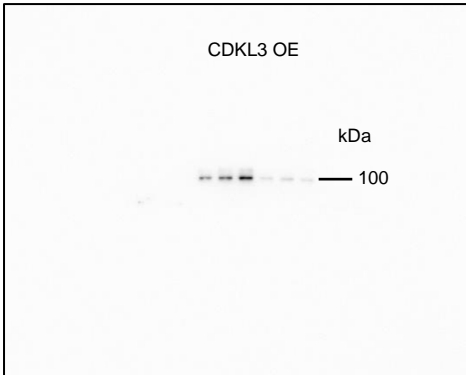
GAPDH



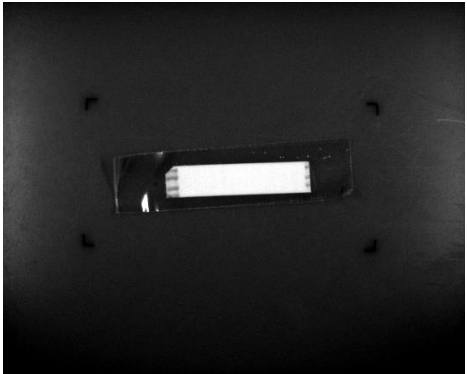
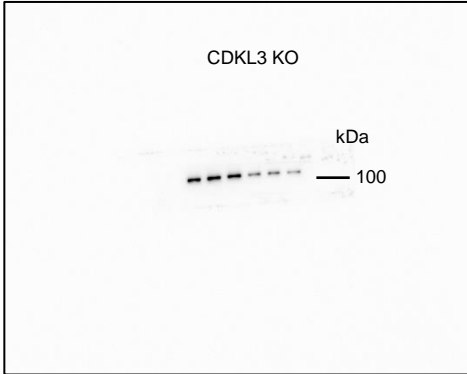
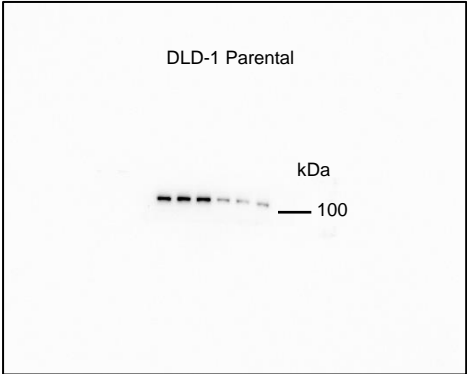
Full unedited blot for Supplemental Figure 5E



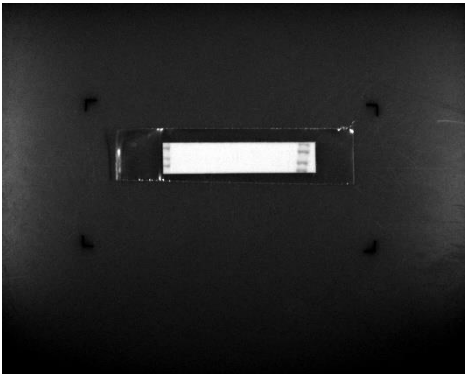
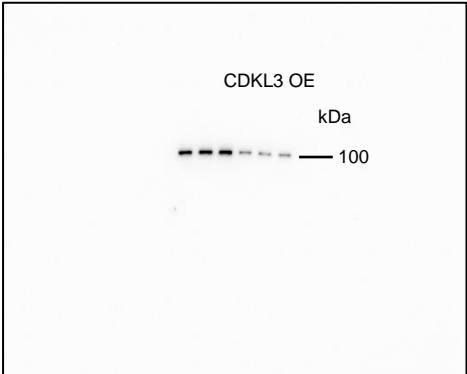
pRb



Full unedited blot for Supplemental Figure 5E

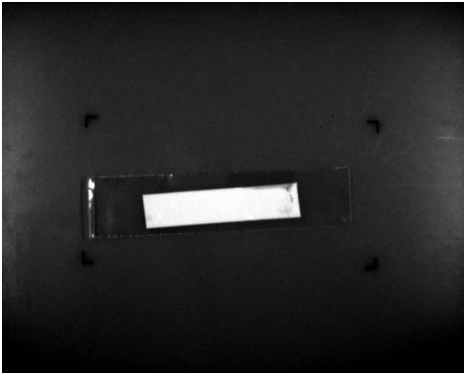
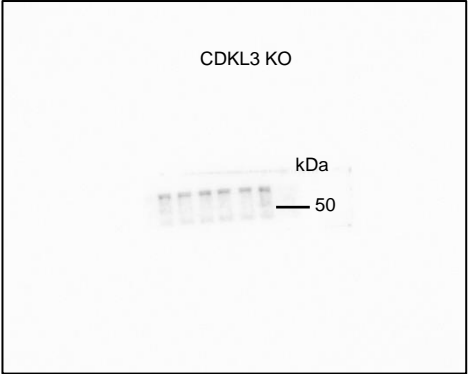
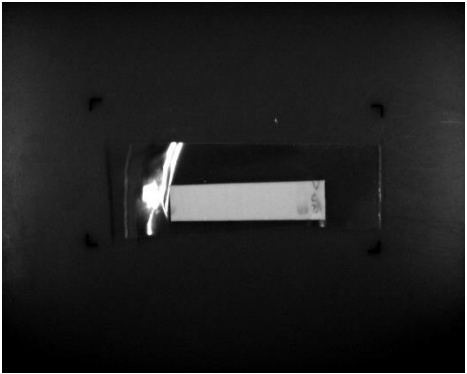
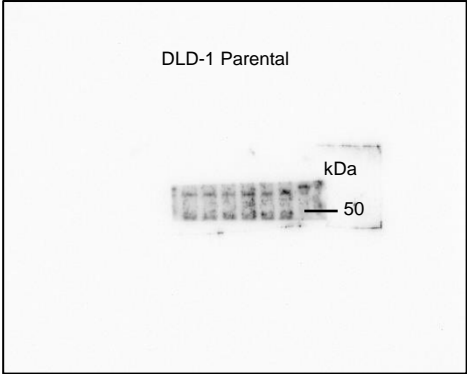


Rb

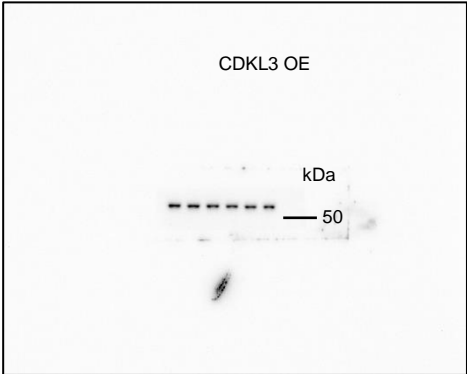


Full unedited blot for Supplemental Figure 5E

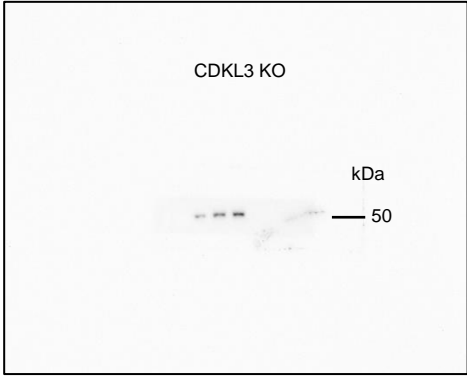
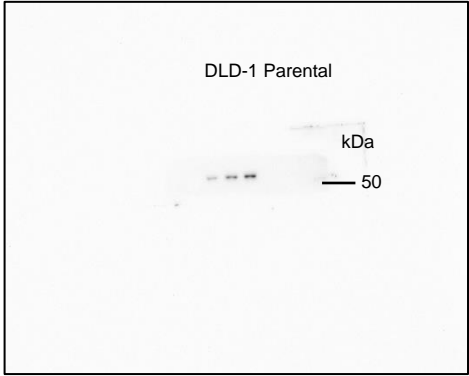
CDKL3



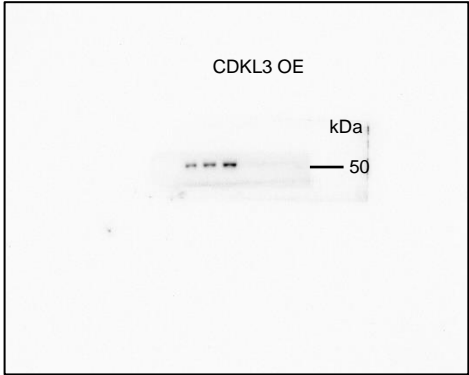
**FLAG-
CDKL3**



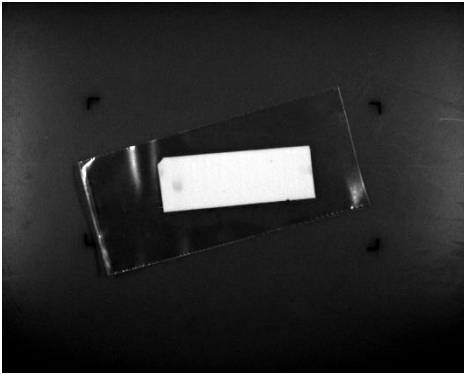
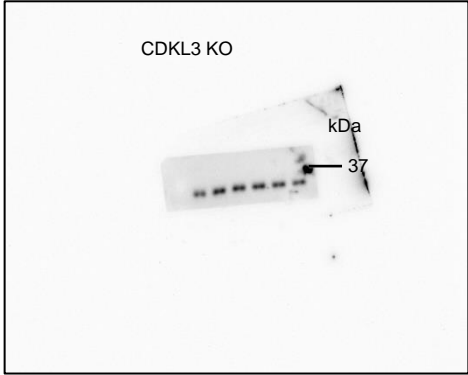
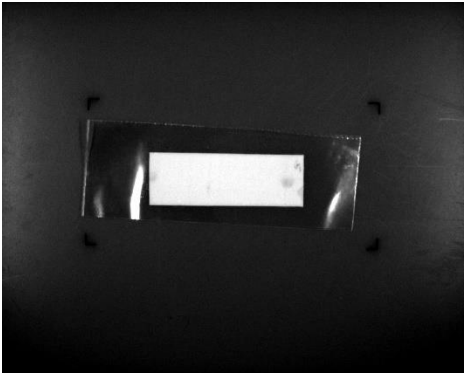
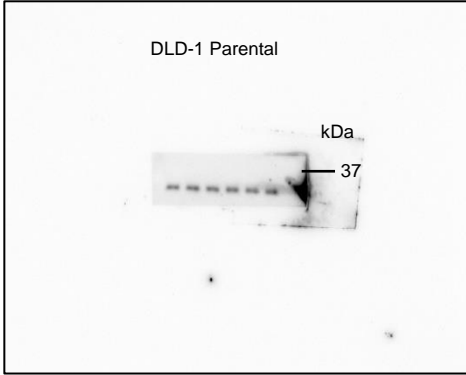
Full unedited blot for Supplemental Figure 5E



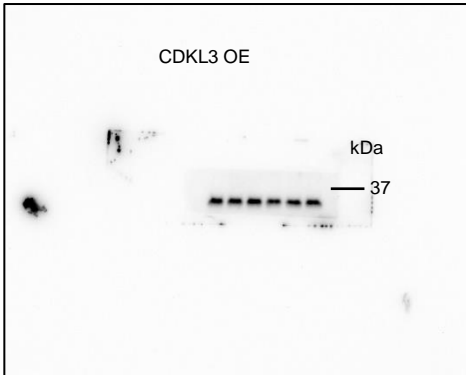
cyclinA2



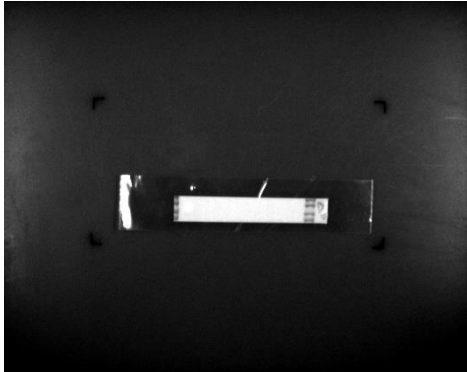
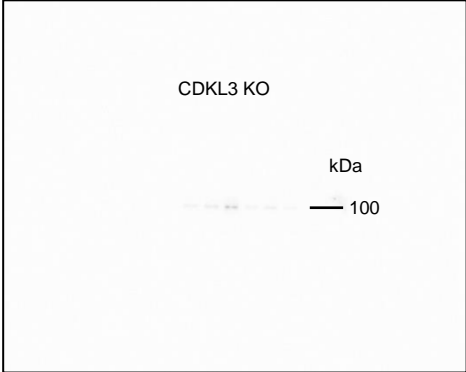
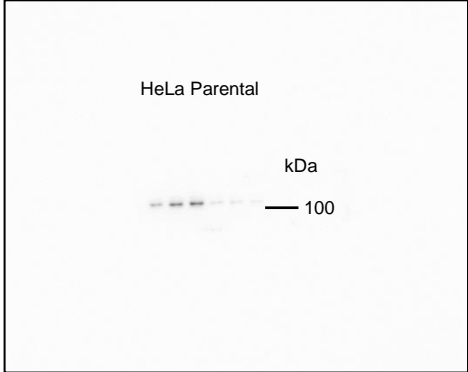
Full unedited blot for Supplemental Figure 5E



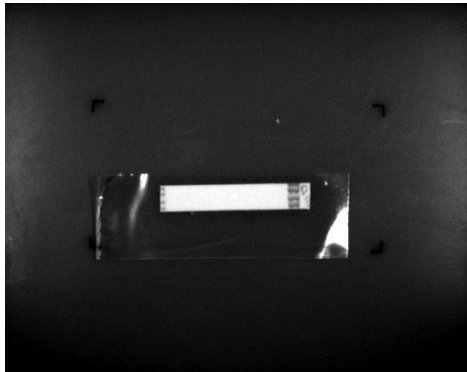
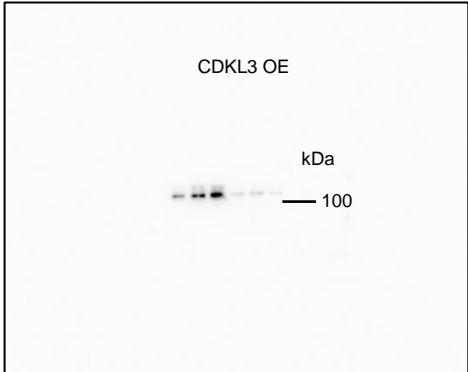
GAPDH



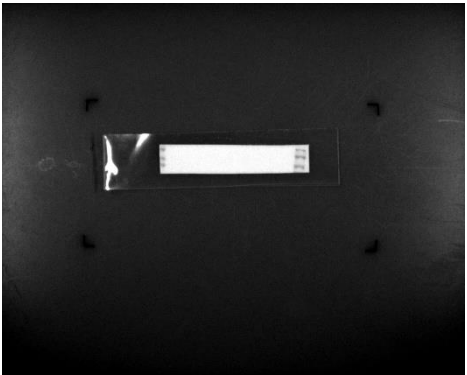
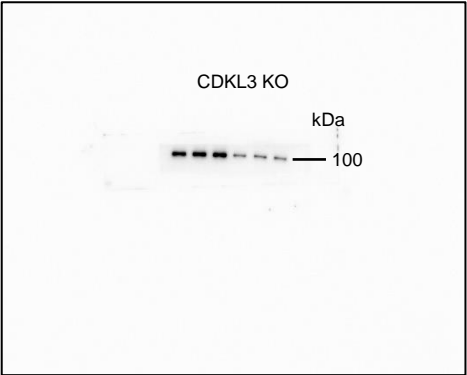
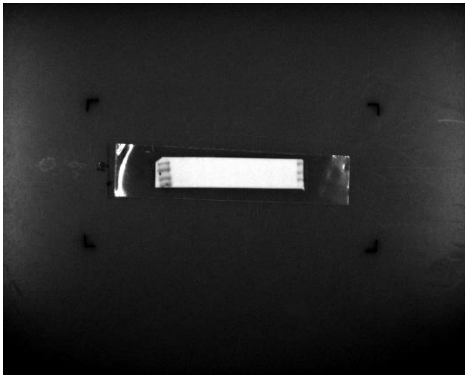
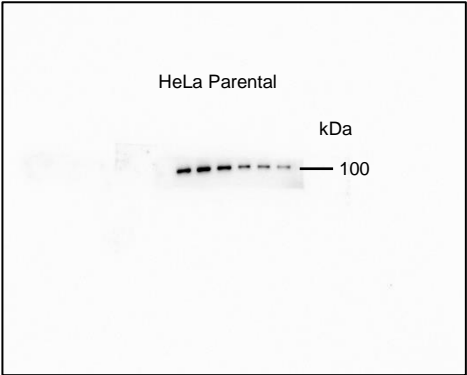
Full unedited blot for Supplemental Figure 5F



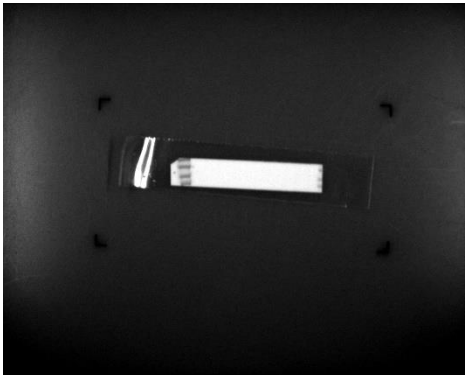
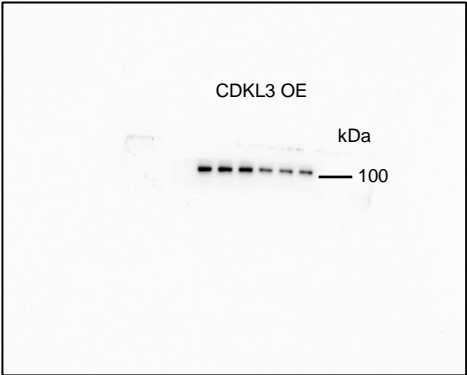
pRb



Full unedited blot for Supplemental Figure 5F

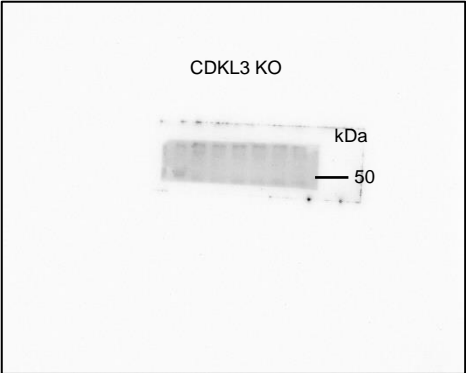
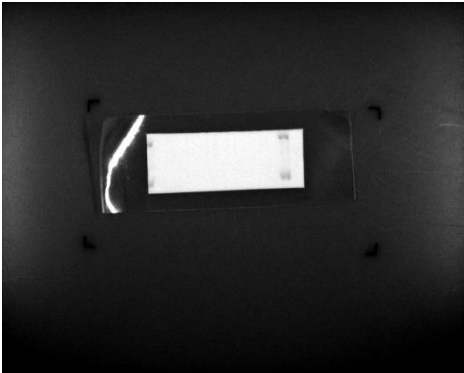
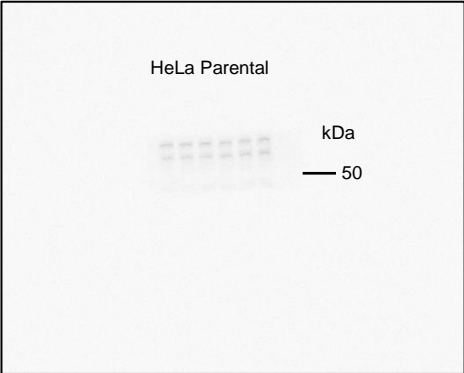


Rb

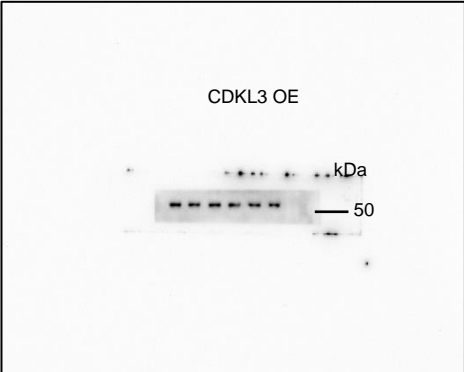


Full unedited blot for Supplemental Figure 5F

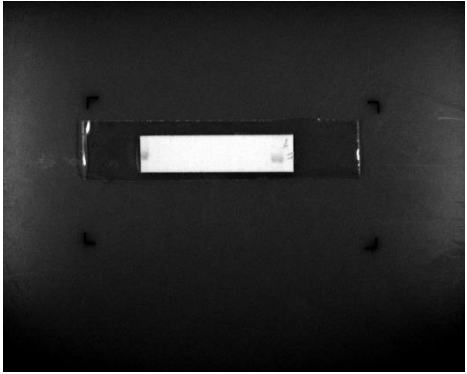
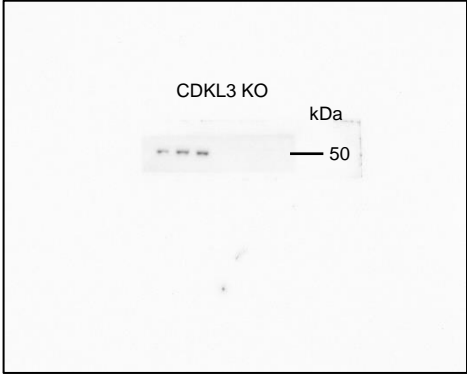
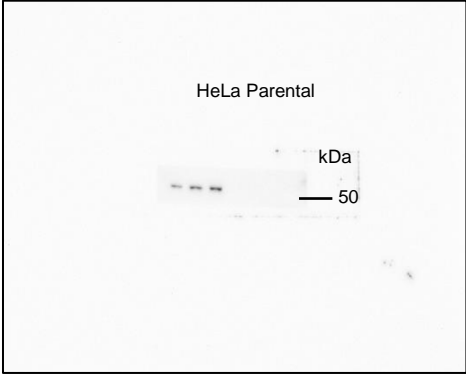
CDKL3



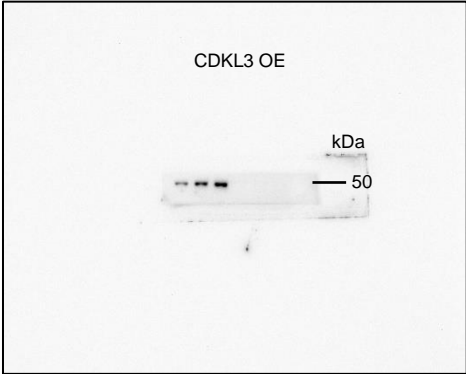
**FLAG-
CDKL3**



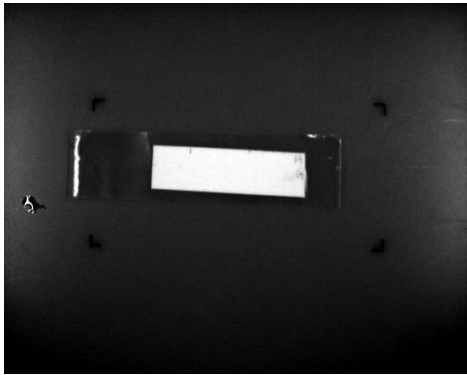
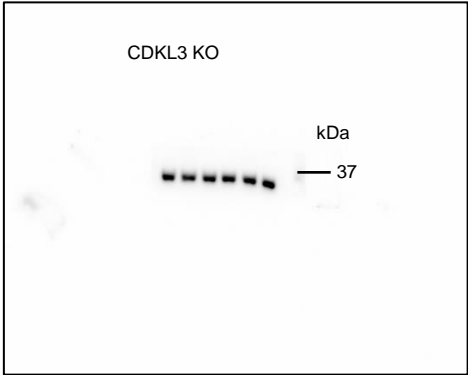
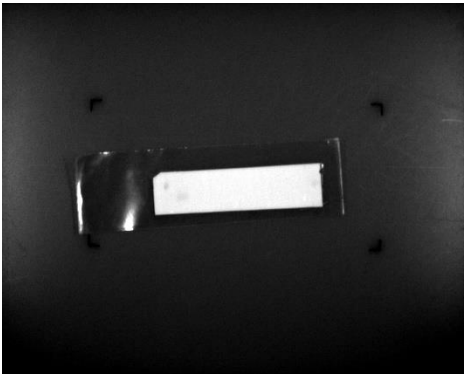
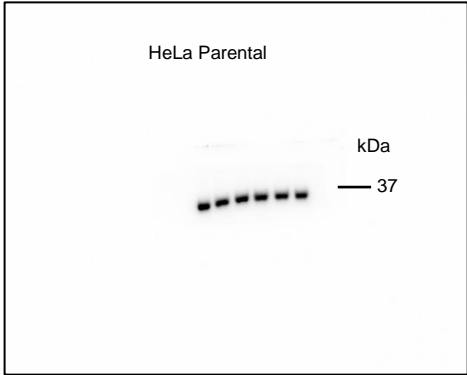
Full unedited blot for Supplemental Figure 5F



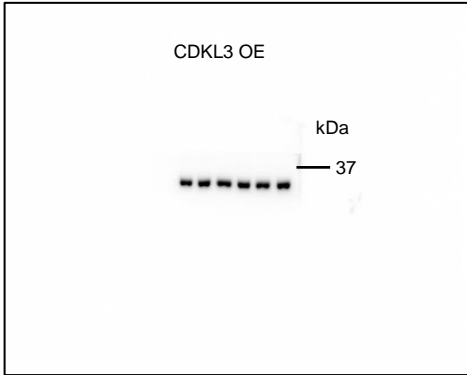
cyclinA2



Full unedited blot for Supplemental Figure 5F

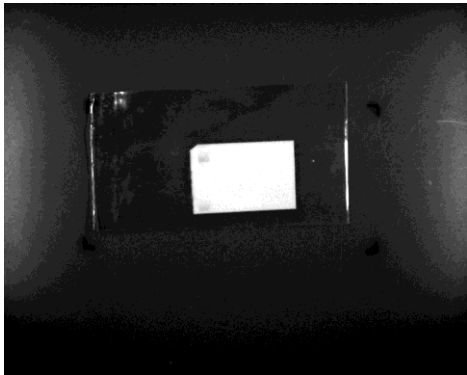
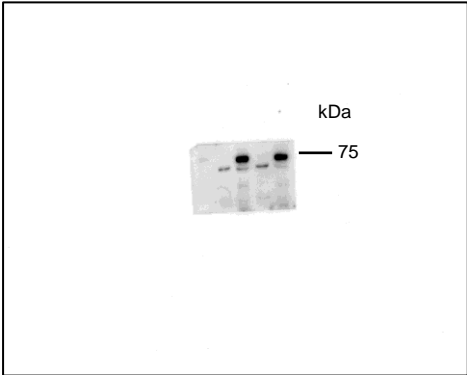


GAPDH

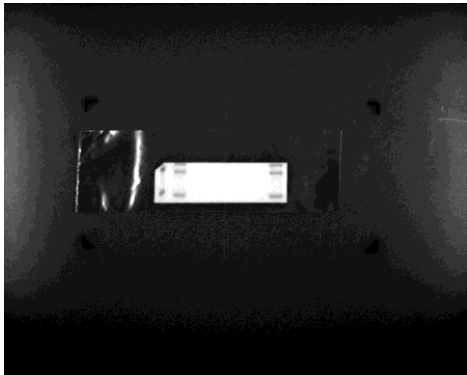
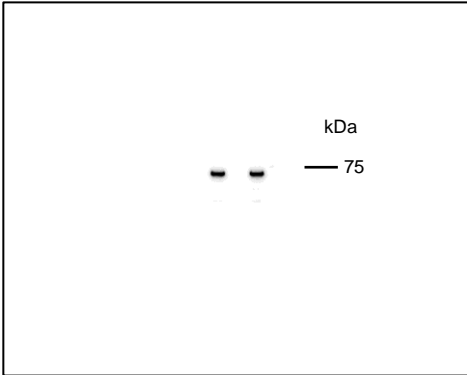


Full unedited blot for Supplemental Figure 6J

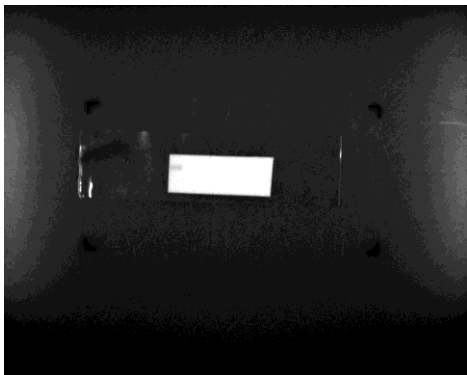
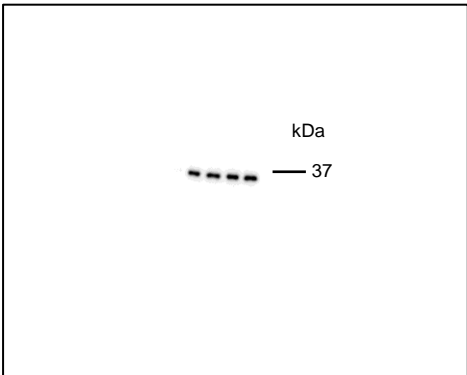
CDKL3



**FLAG-
CDKL3**

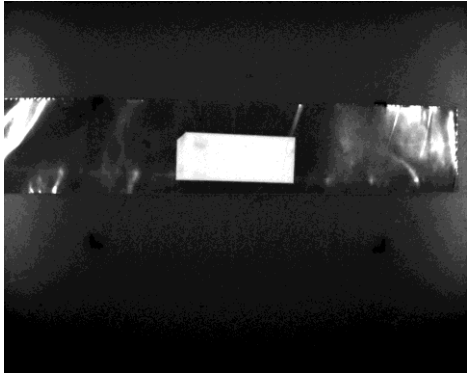
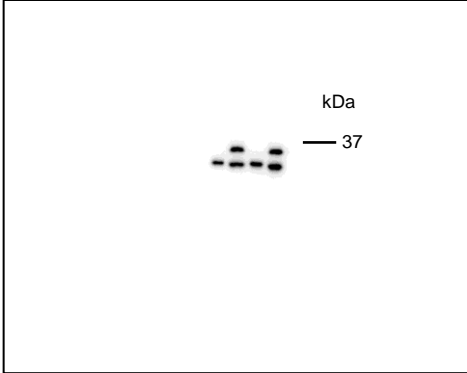


GAPDH

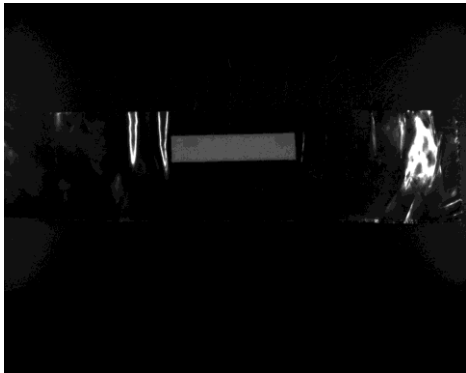
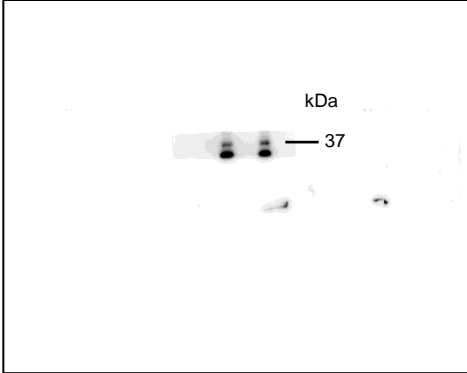


Full unedited blot for Supplemental Figure 6K

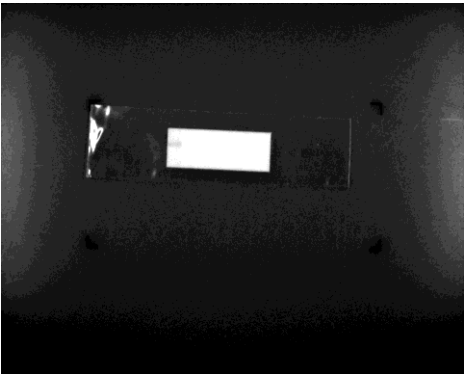
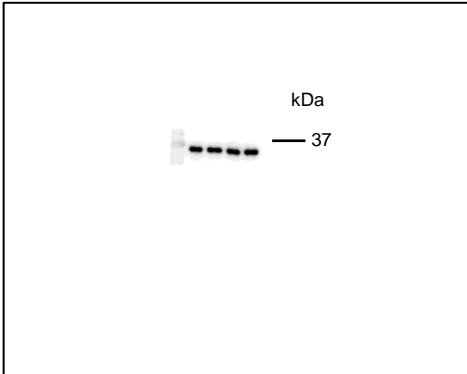
CDK4



**FLAG-
CDK4**

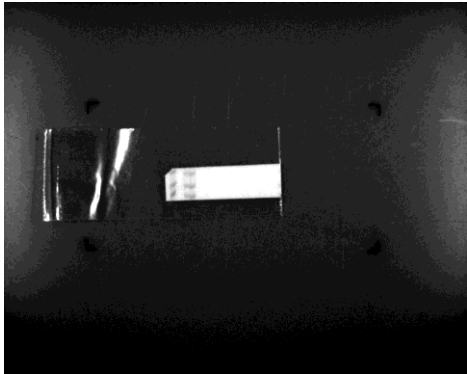
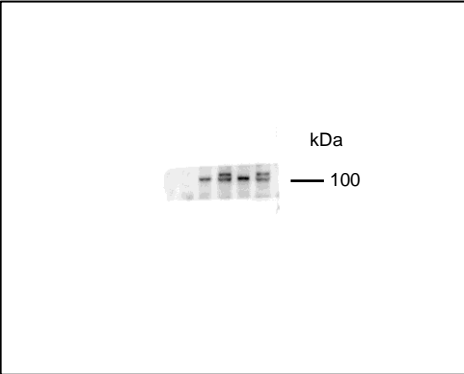


GAPDH

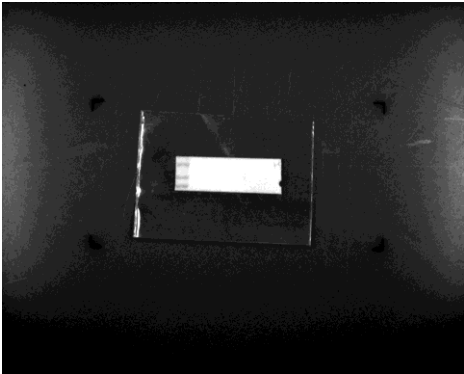
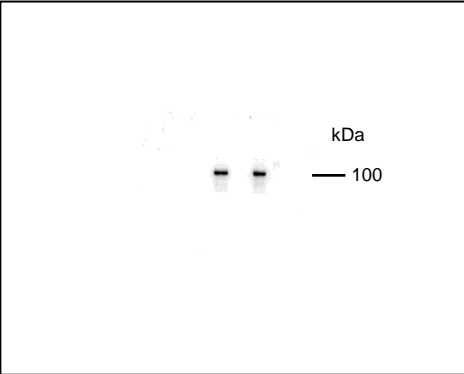


Full unedited blot for Supplemental Figure 6L

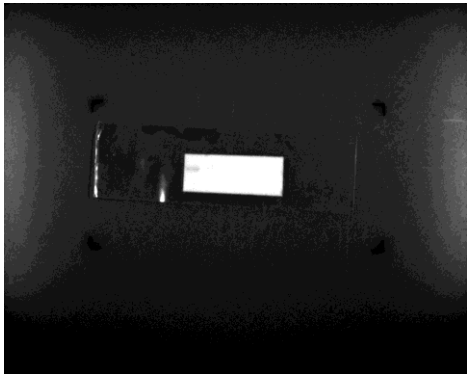
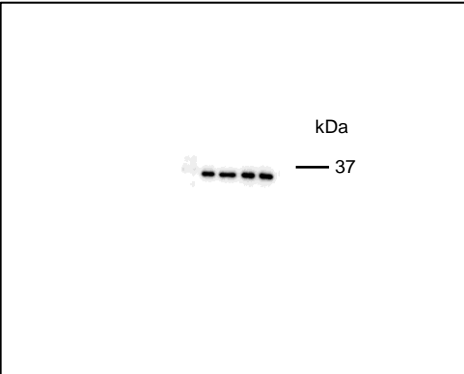
Rb



**HA-
Rb**

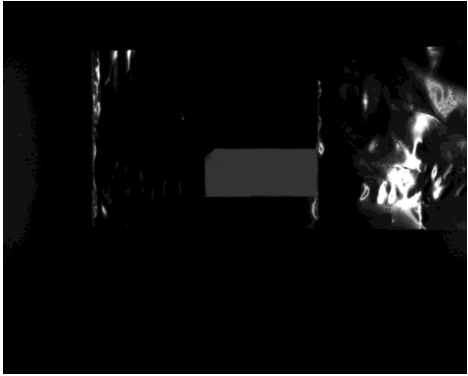
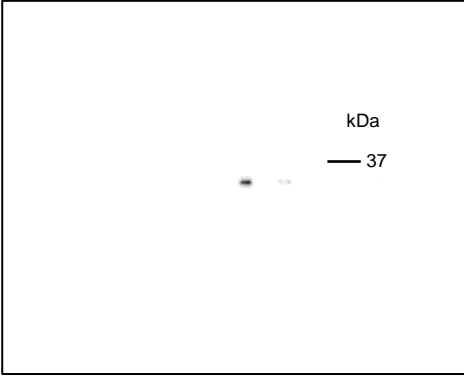


GAPDH

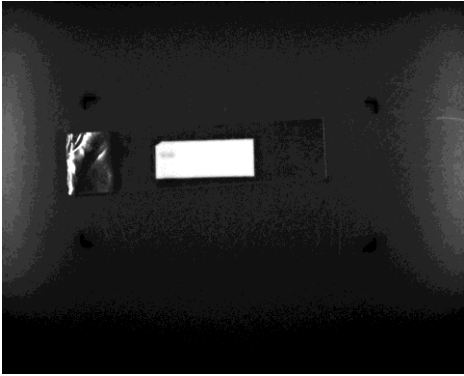
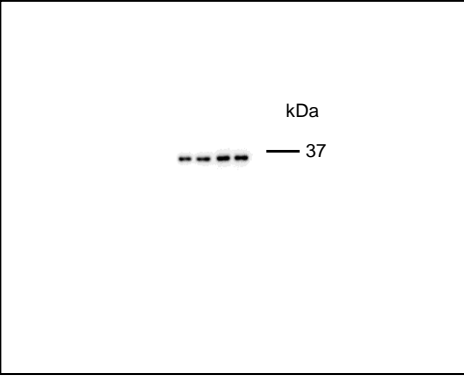


Full unedited blot for Supplemental Figure 6M

CDK4

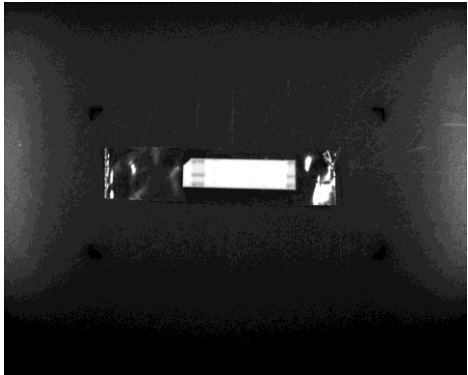
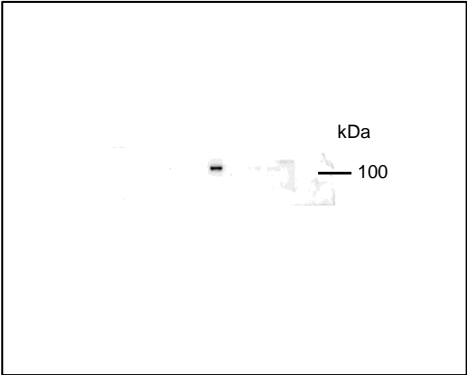


GAPDH

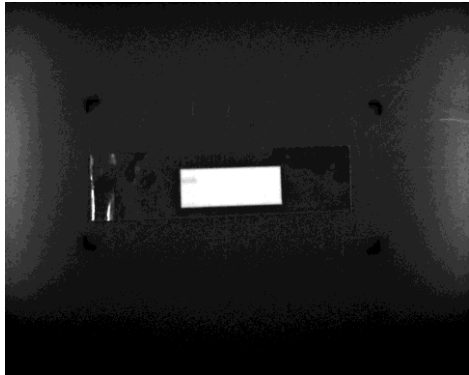
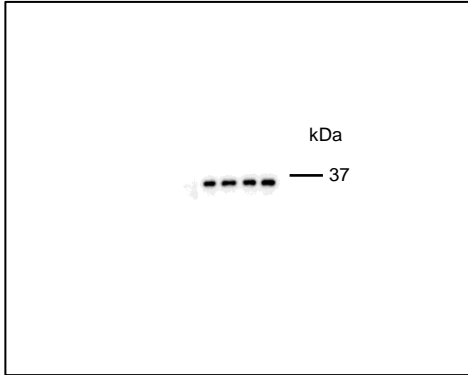


Full unedited blot for Supplemental Figure 6N

Rb

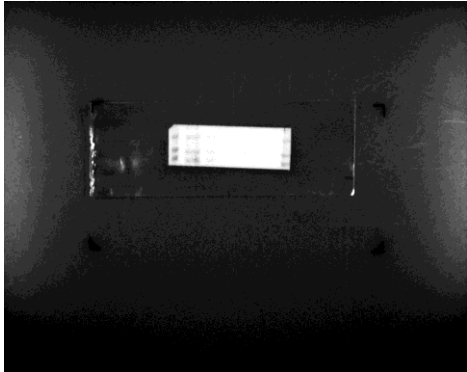
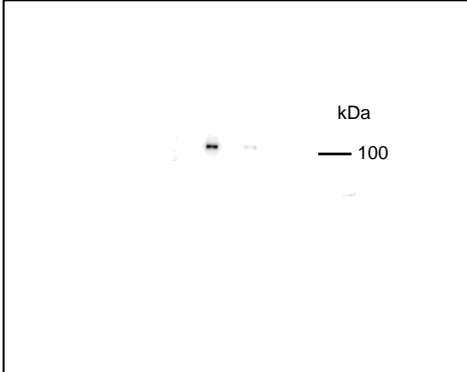


GAPDH

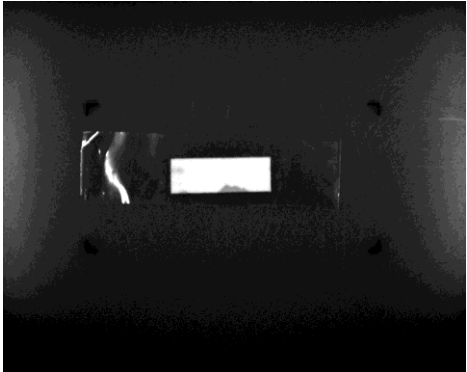
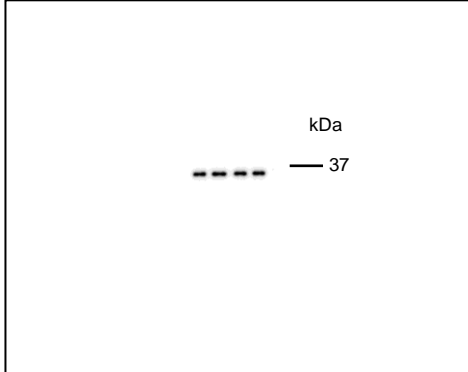


Full unedited blot for Supplemental Figure 6O

Rb

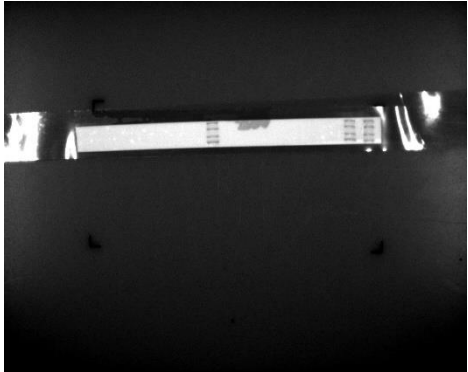
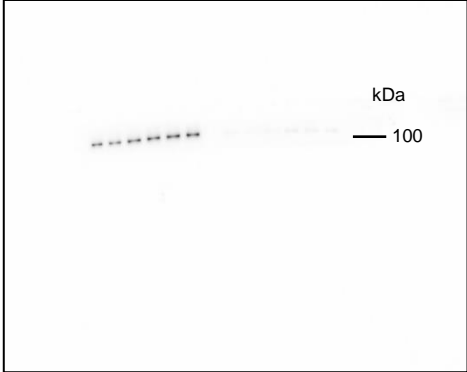


GAPDH

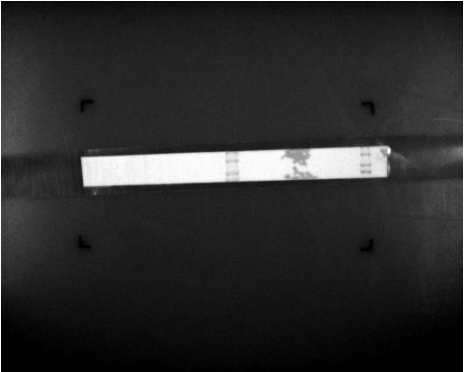
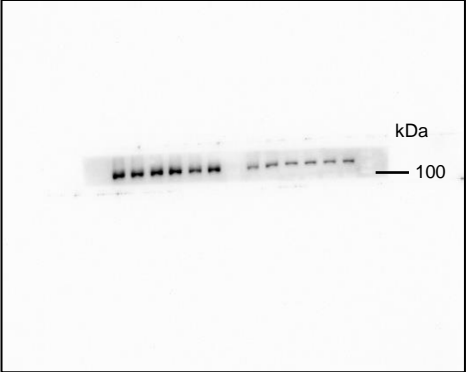


Full unedited blot for Supplemental Figure 7A

pRb

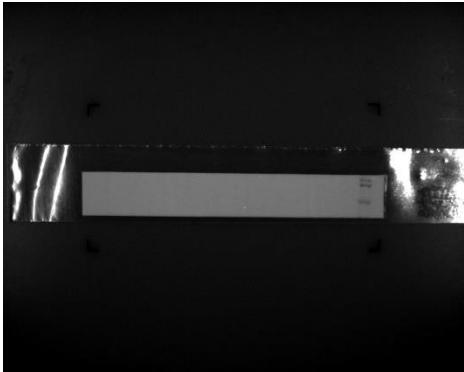
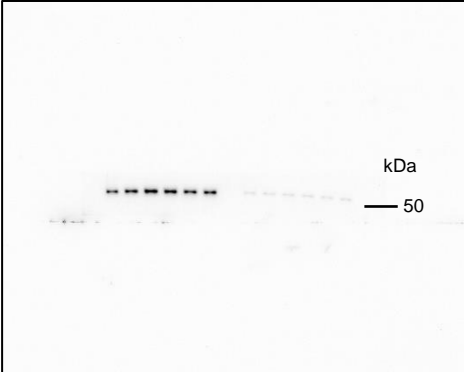


Rb

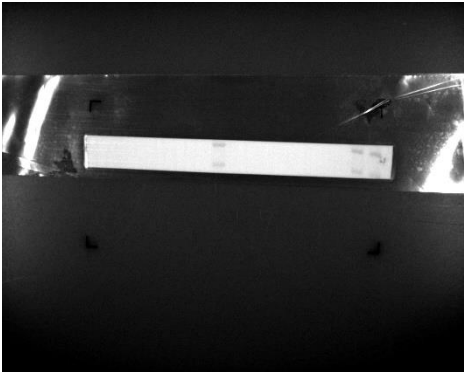
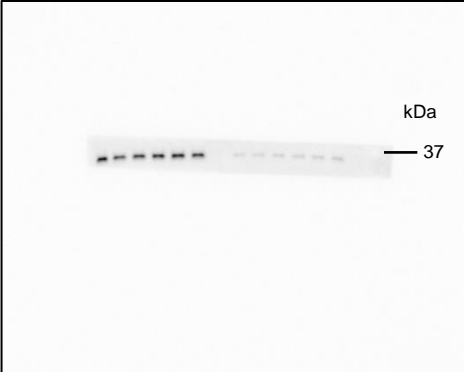


Full unedited blot for Supplemental Figure 7A

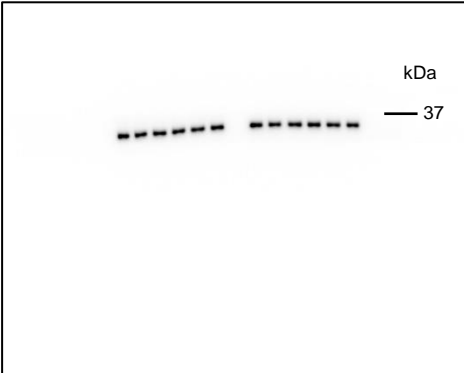
cyclinA2



CDK4

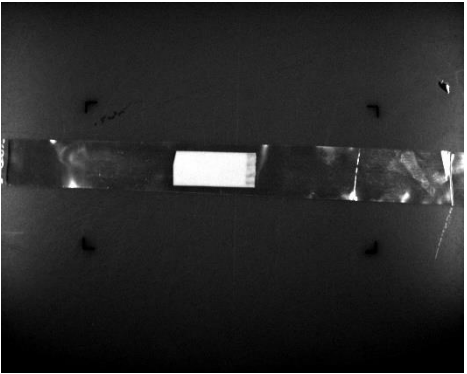
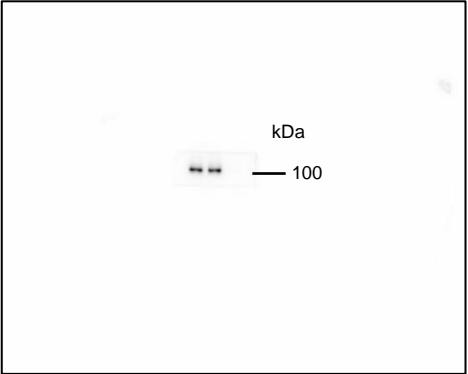
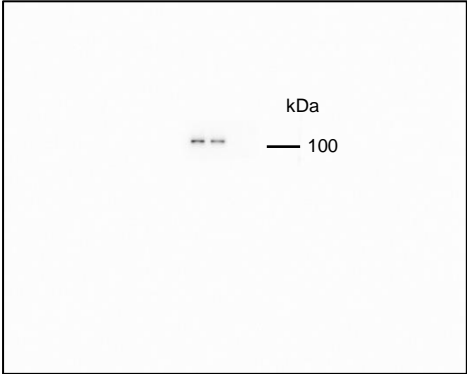


GAPDH

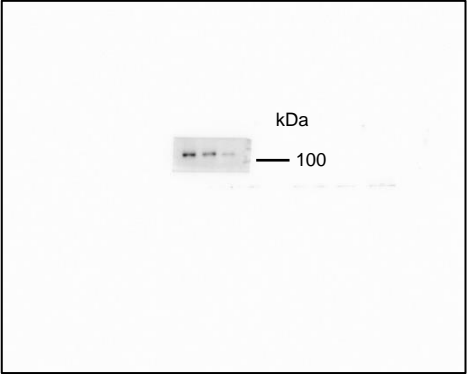
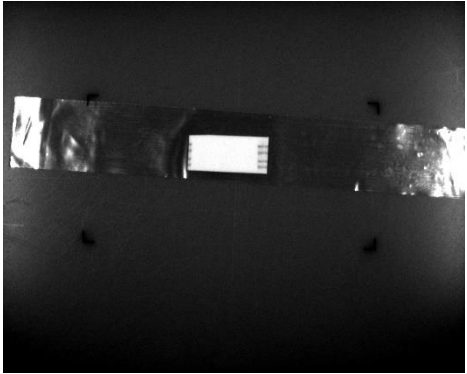
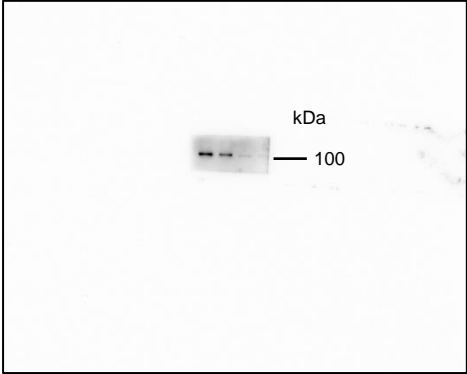


Full unedited blot for Supplemental Figure 7F

pRb

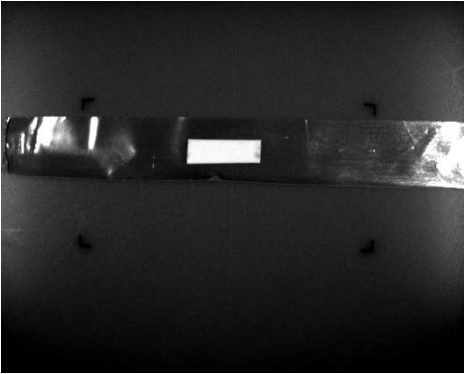
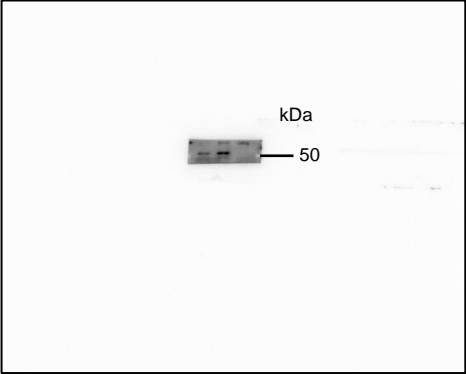
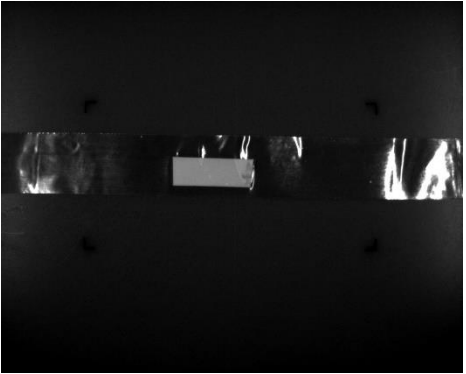
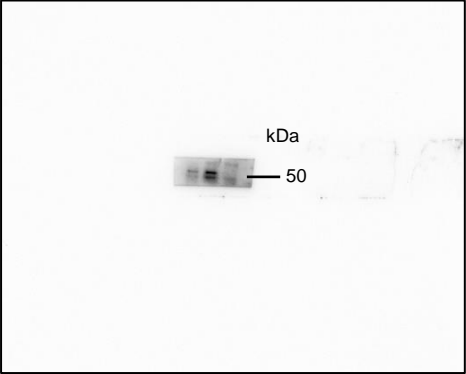


Rb

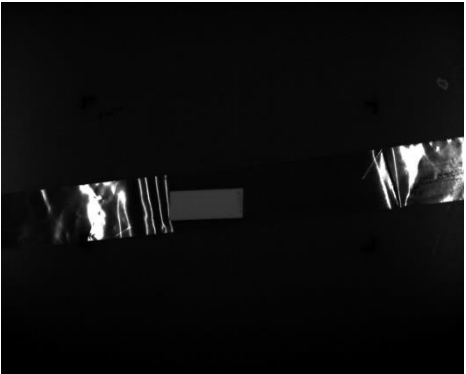
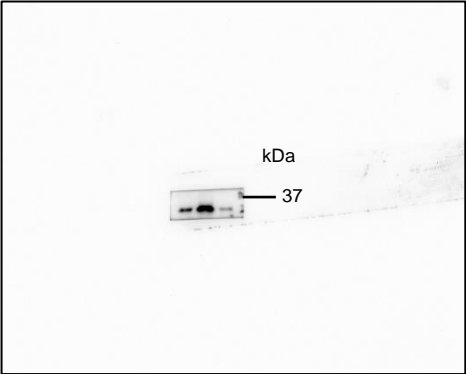
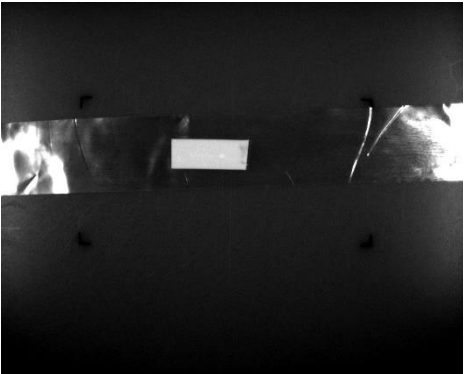
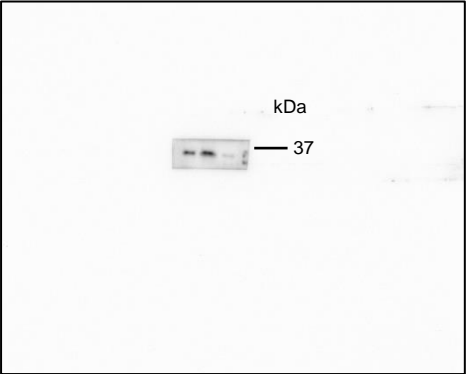


Full unedited blot for Supplemental Figure 7F

cyclinA2

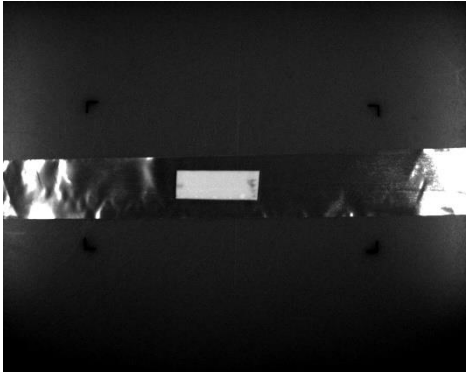
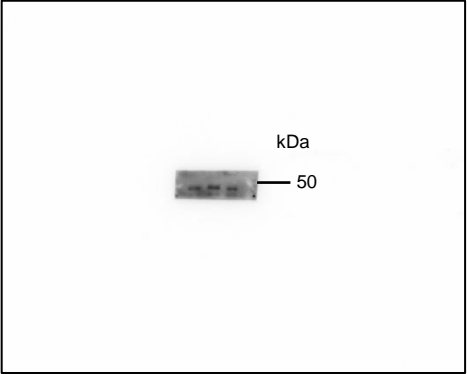
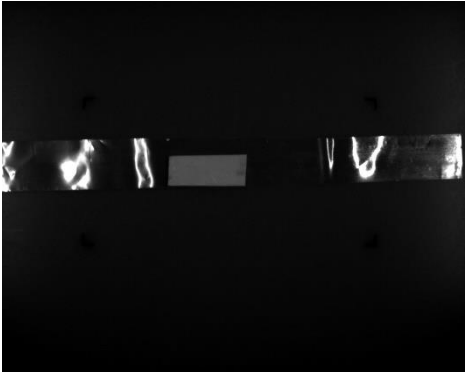
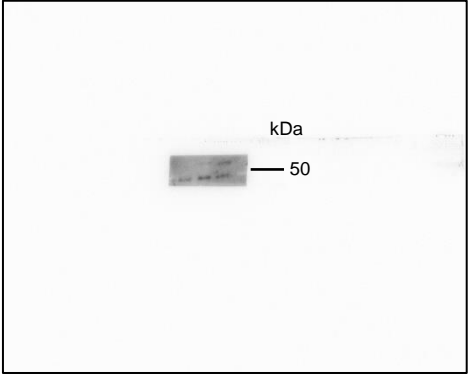


cyclinD1

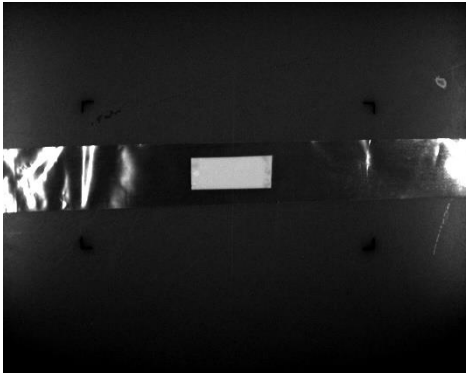
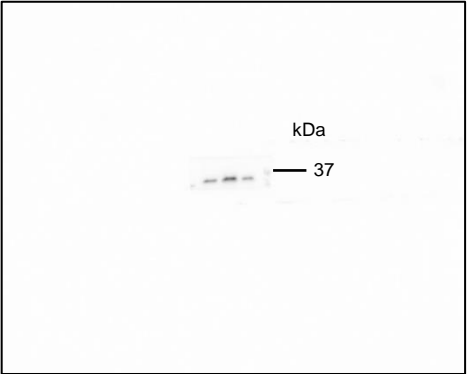
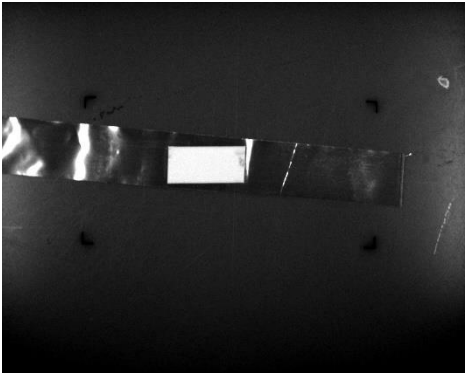
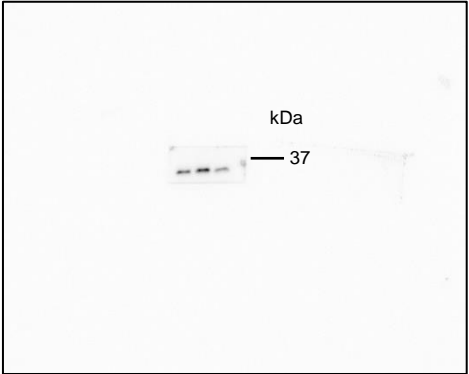


Full unedited blot for Supplemental Figure 7F

cyclinE1

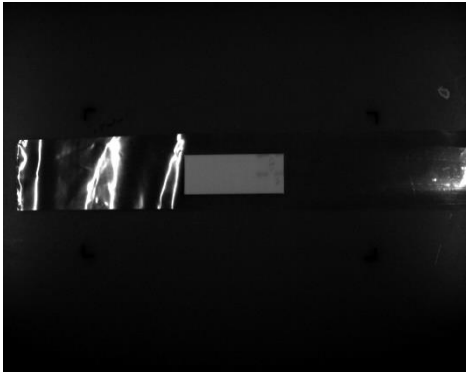
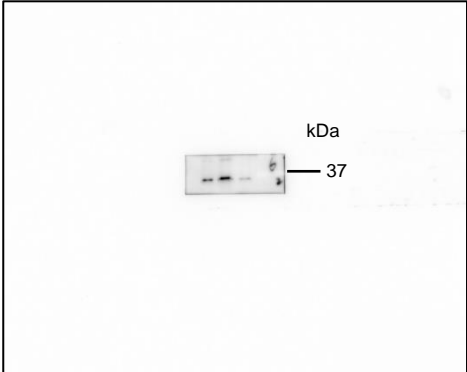
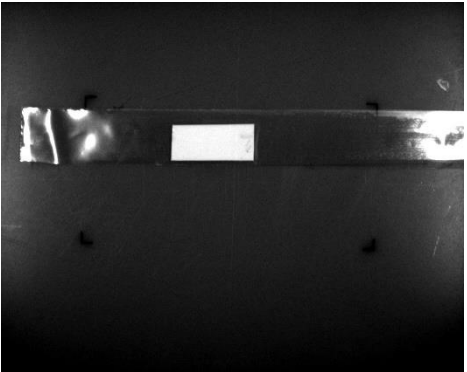
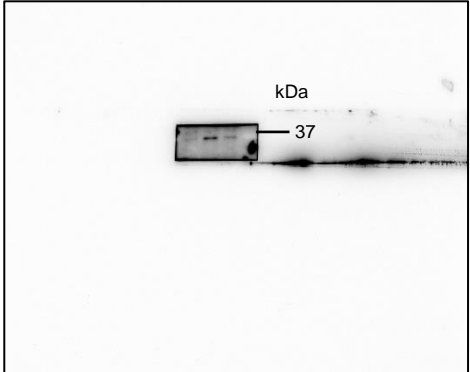


CDK4

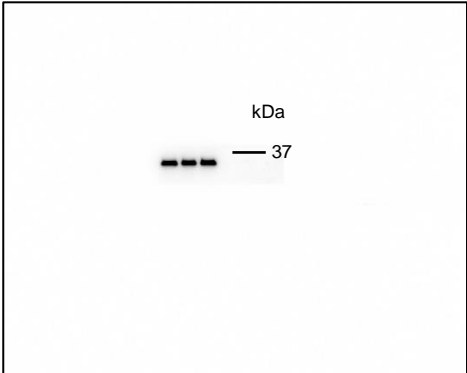
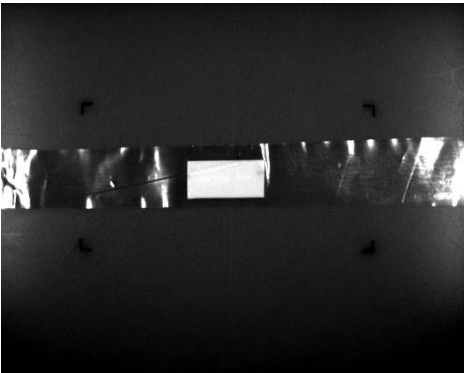
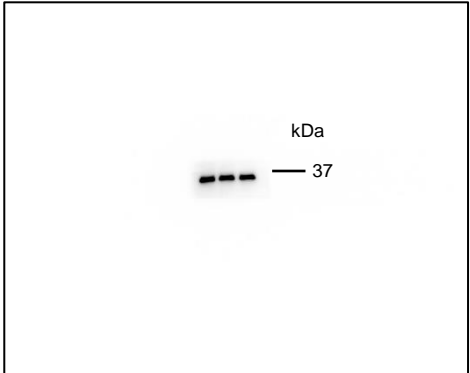


Full unedited blot for Supplemental Figure 7F

CDK6

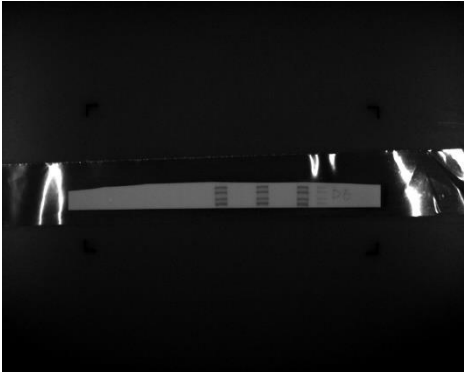
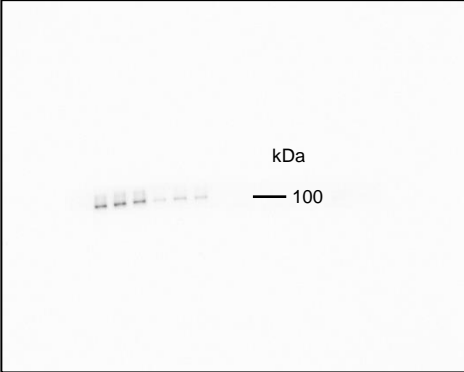


GAPDH

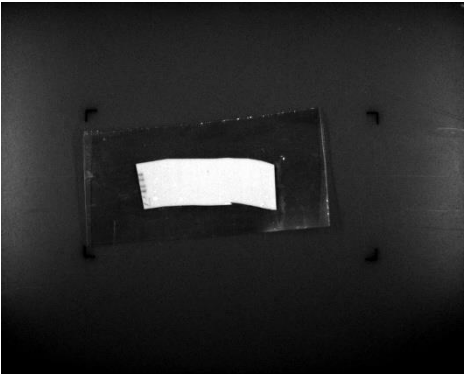
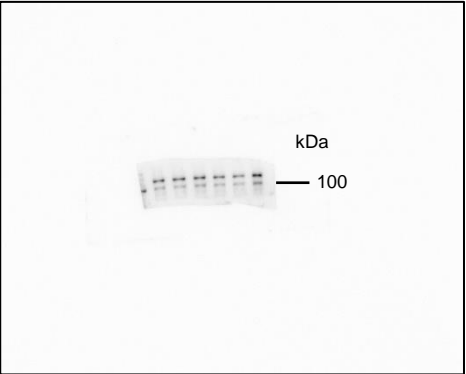


Full unedited blot for Supplemental Figure 7J

pRb

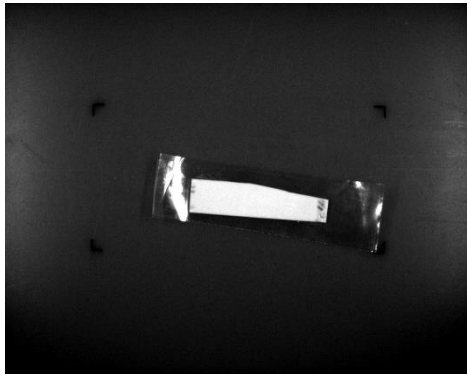
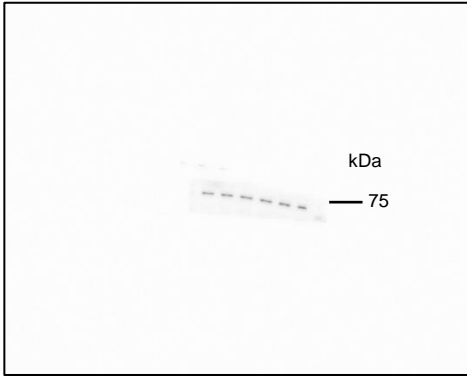


Rb

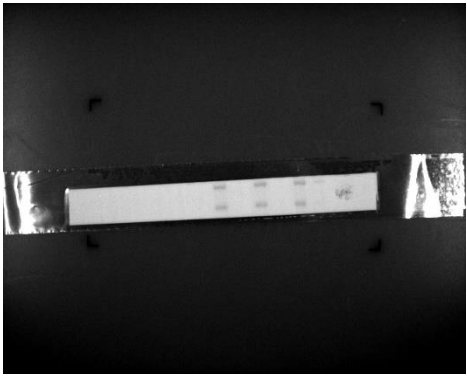
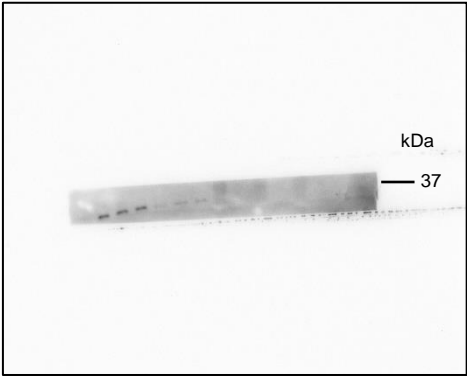


Full unedited blot for Supplemental Figure 7J

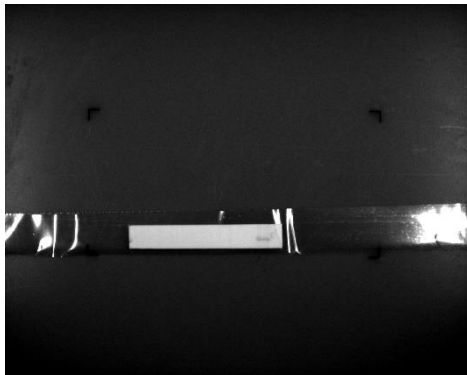
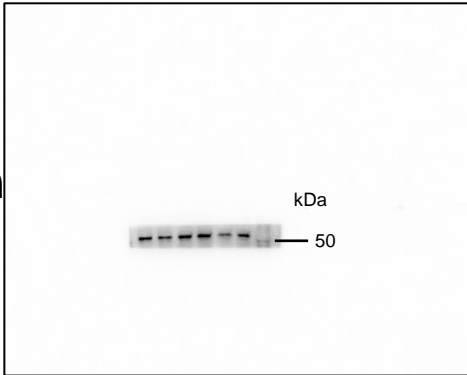
CDKL3



CDK4

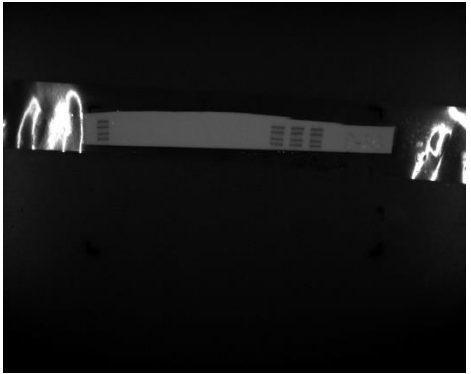


α -tubulin

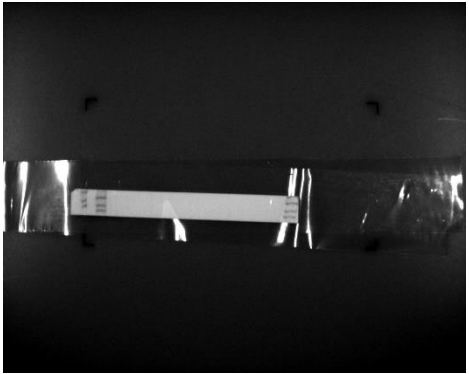
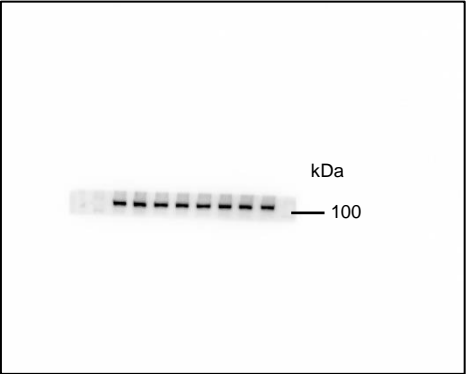


Full unedited blot for Supplemental Figure 8O

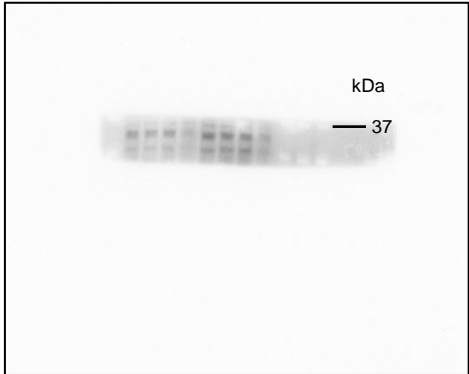
pRb



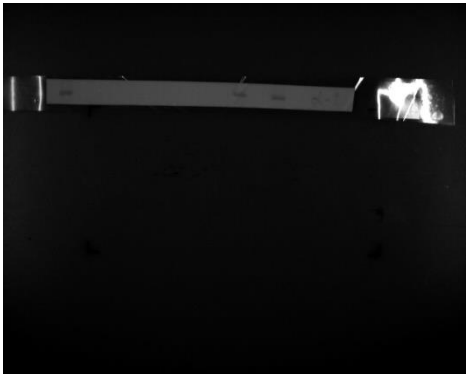
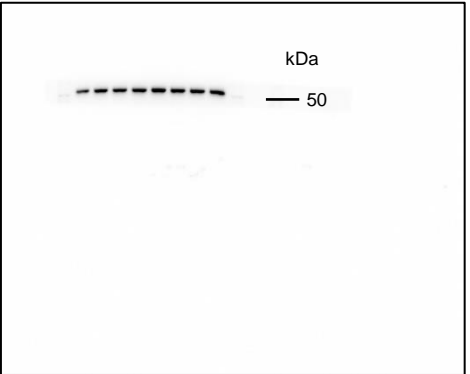
Rb



CDK4

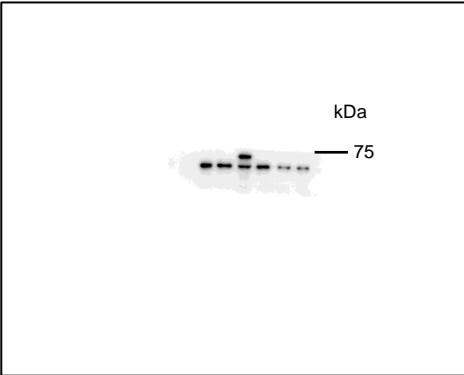


α -tubulin

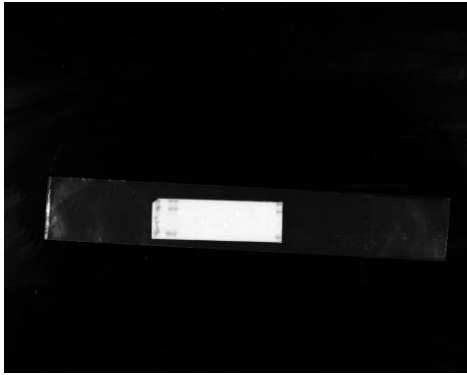
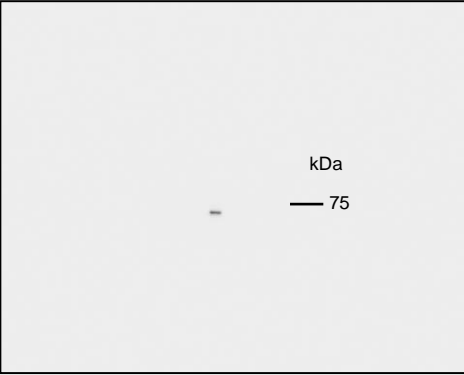


Full unedited blot for Supplemental Figure 8R

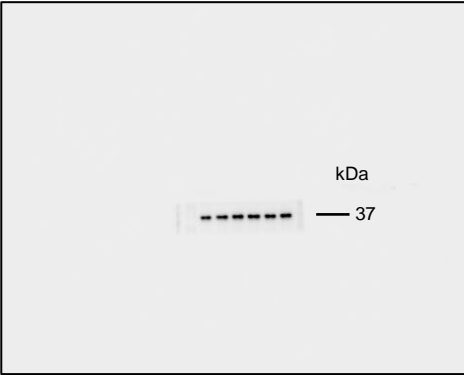
CDKL3



FLAG

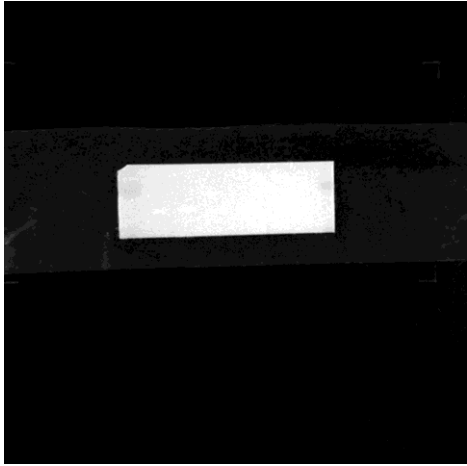
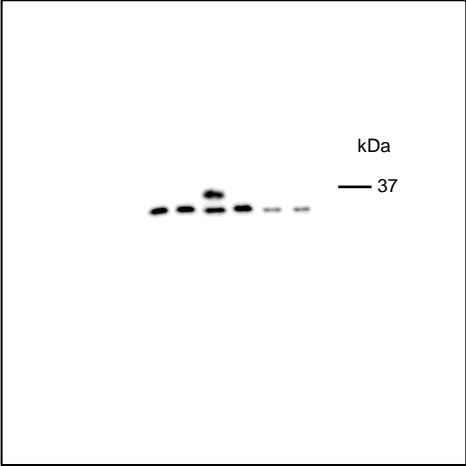


GAPDH

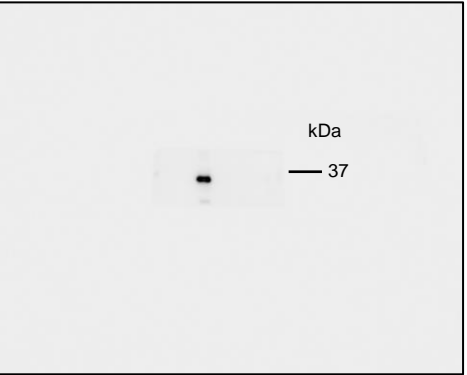


Full unedited blot for Supplemental Figure 8S

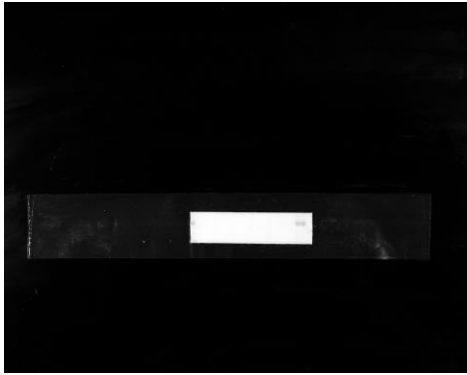
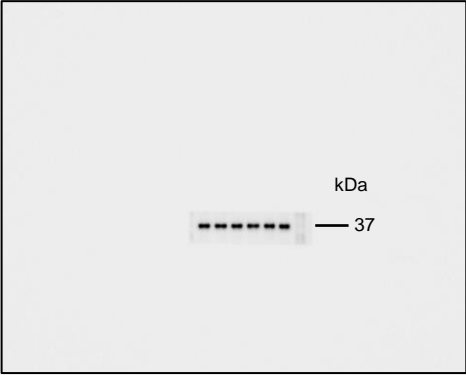
CDK4



FLAG

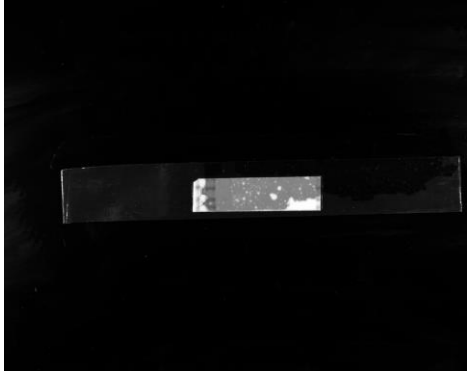


GAPDH

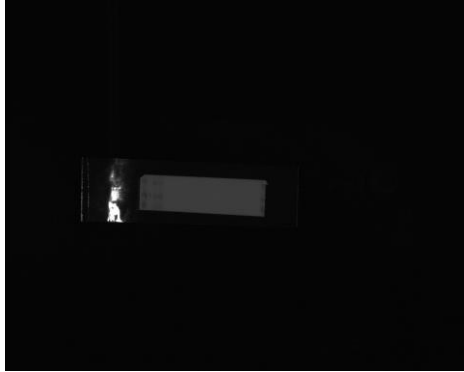
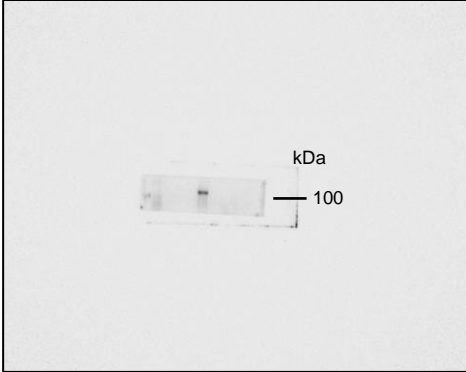


Full unedited blot for Supplemental Figure 8T

Rb



HA



GAPDH

