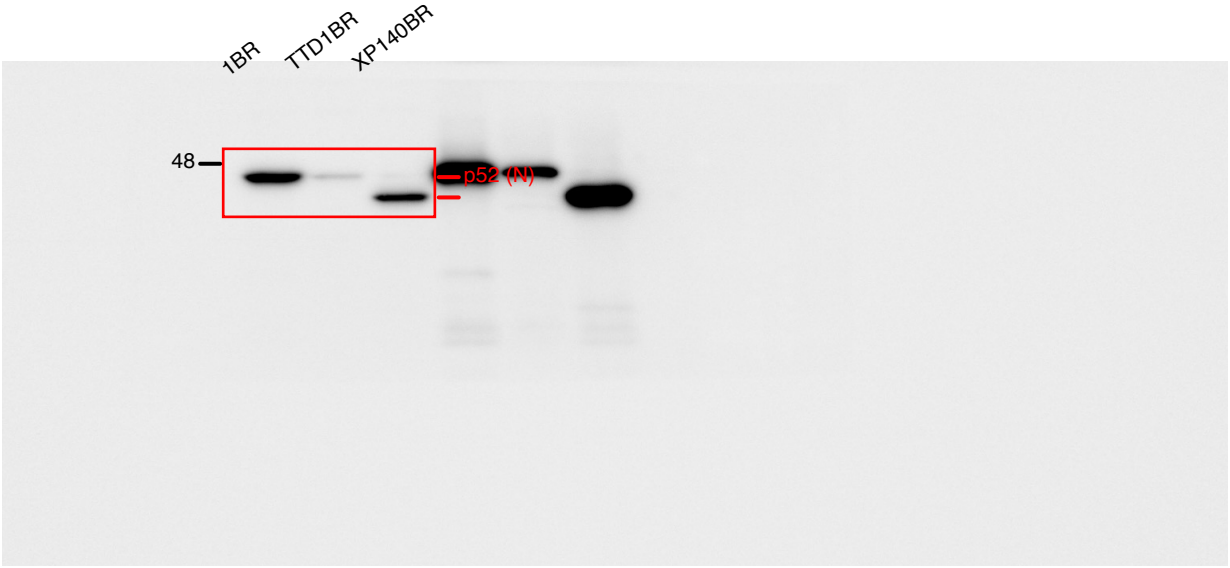
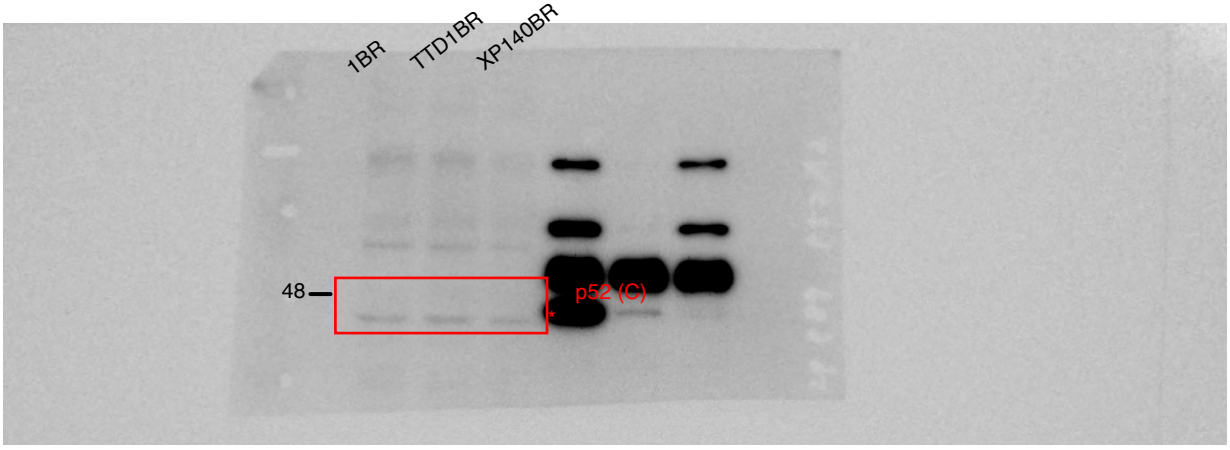
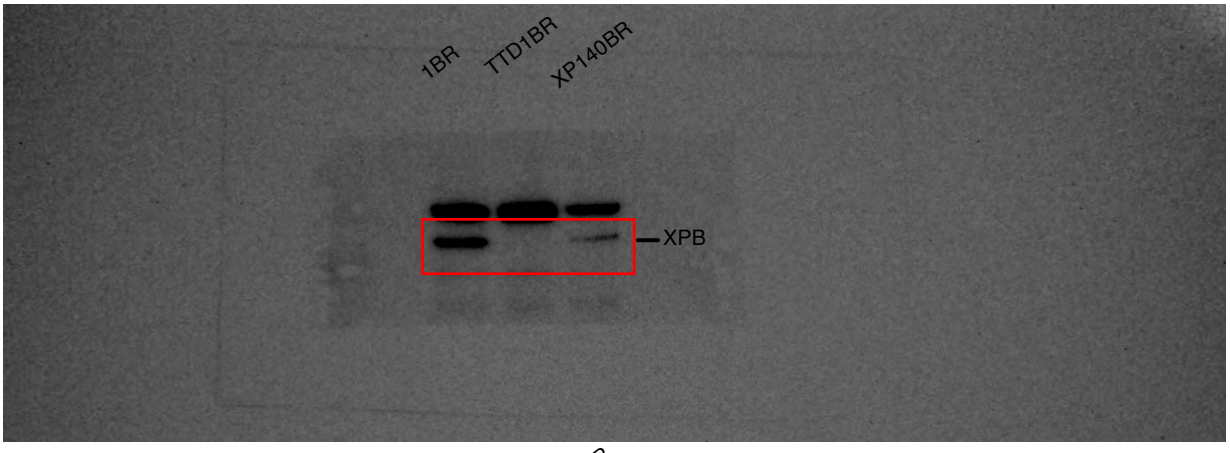
Fig1 c


1BR
TTD1BR
XP140BR
48
p52 (N)


1BR
TTD1BR
XP140BR
48
p52 (C)
*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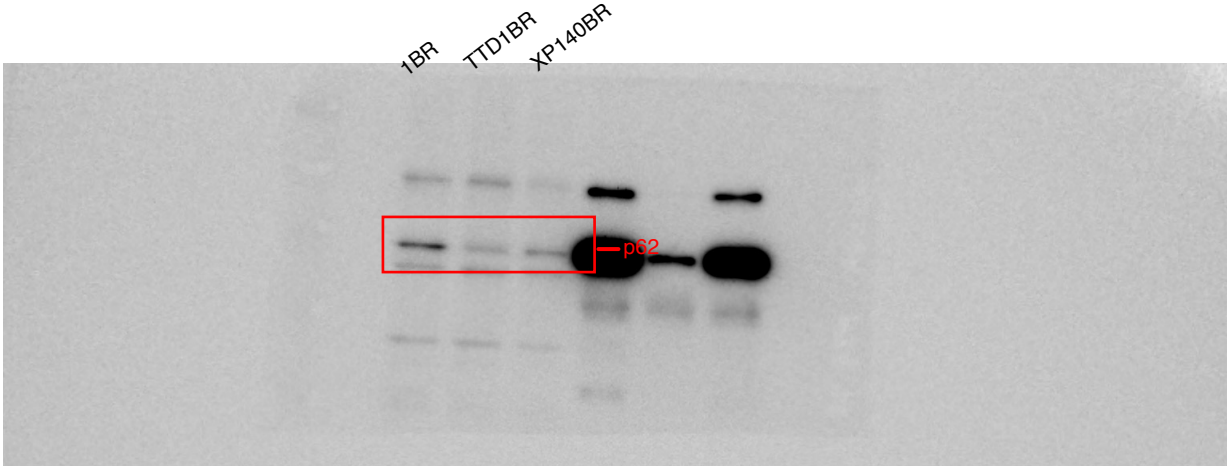
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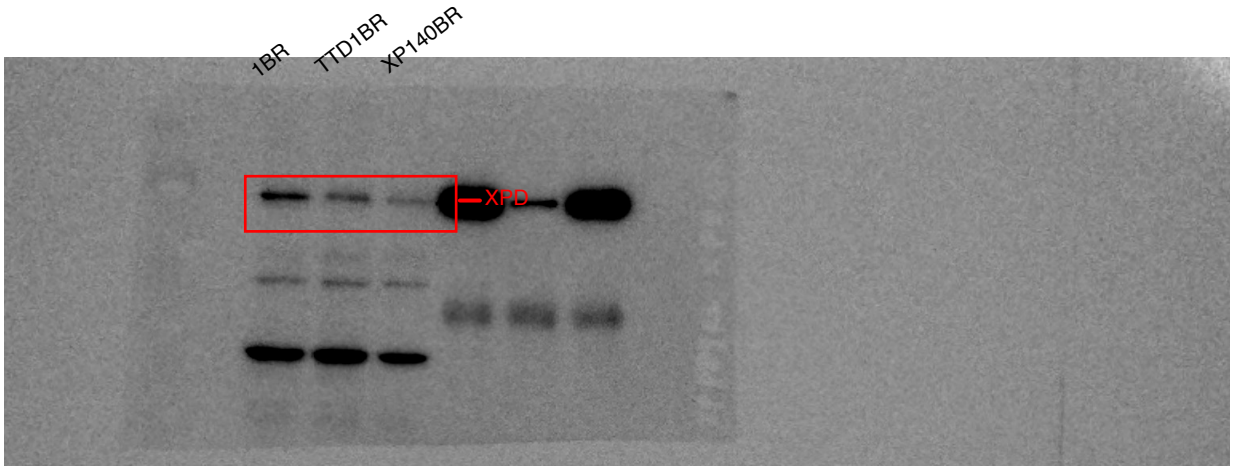
XP140BR
p62

Fig1 c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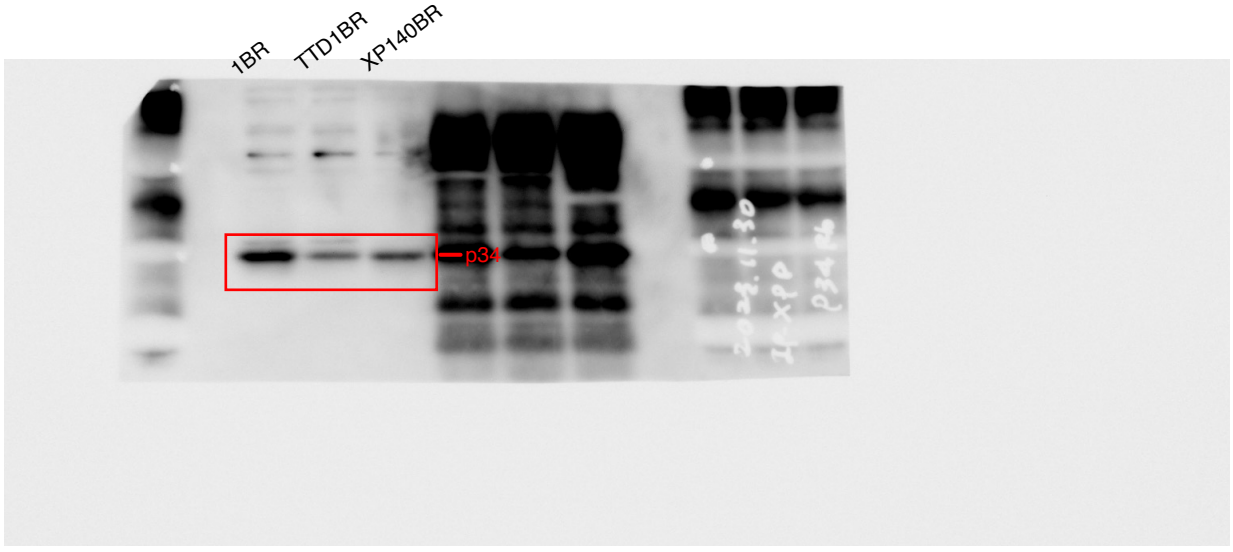
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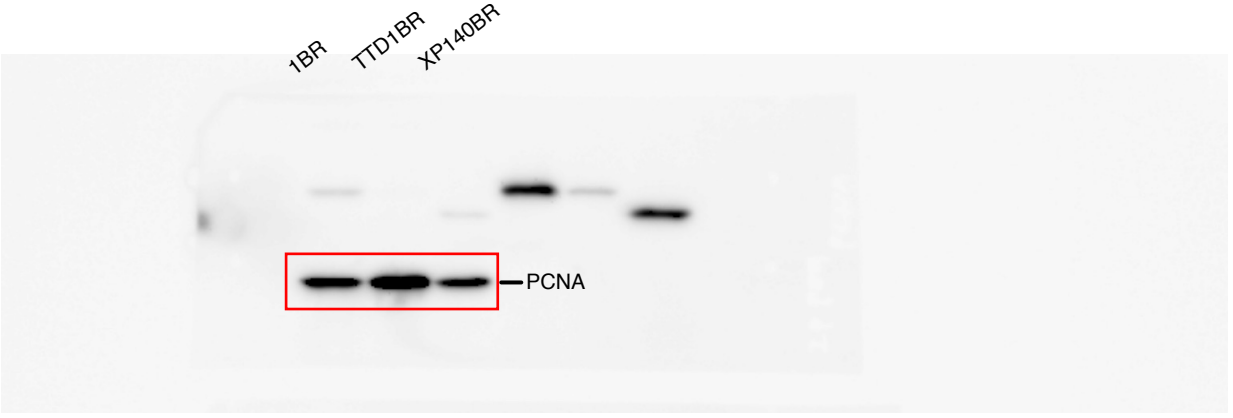
TTD1BR
XP140BR
p34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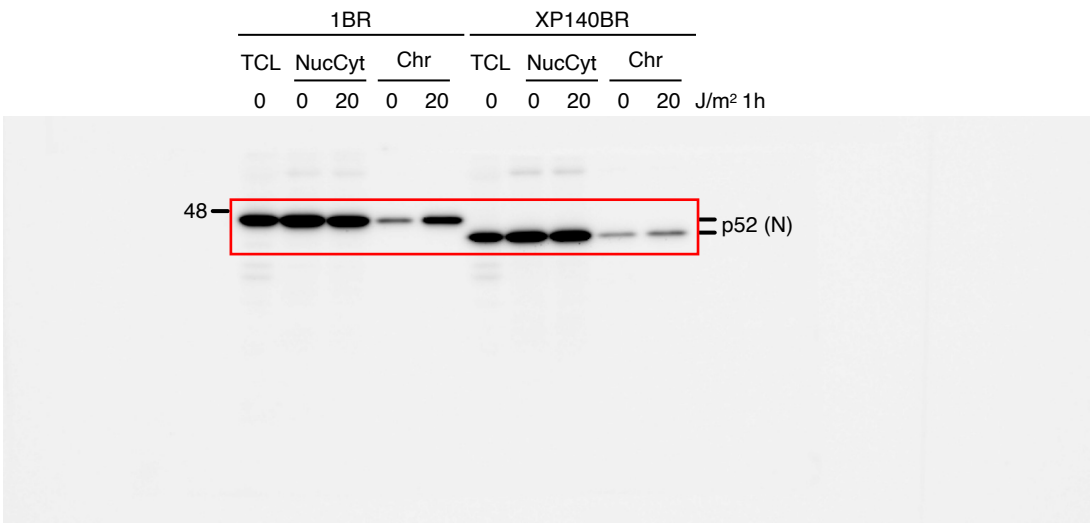
TTD1BR
XP140BR
PCNA

Fig2 a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XP140BR
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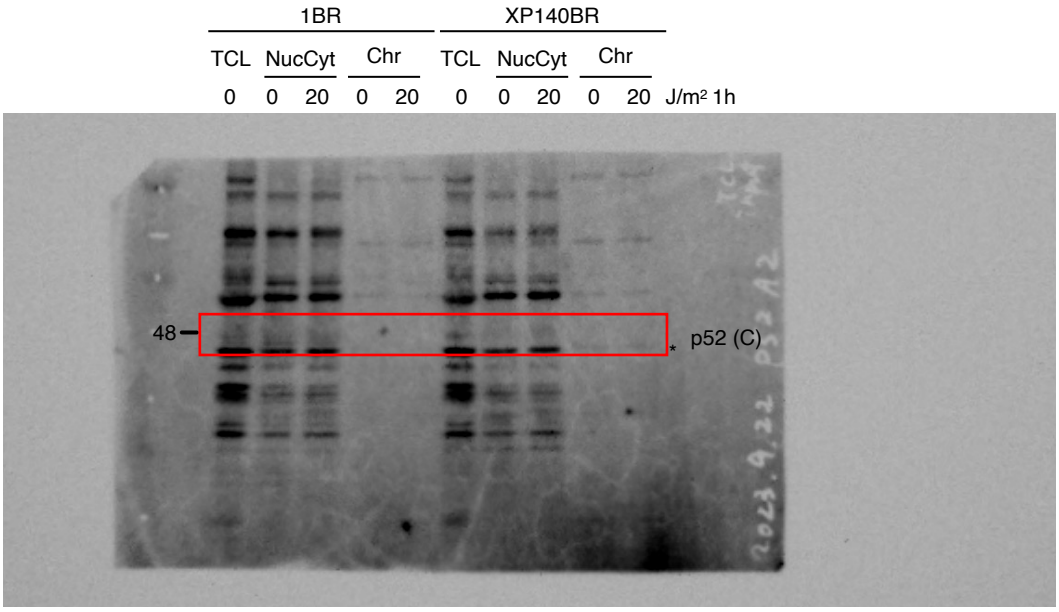
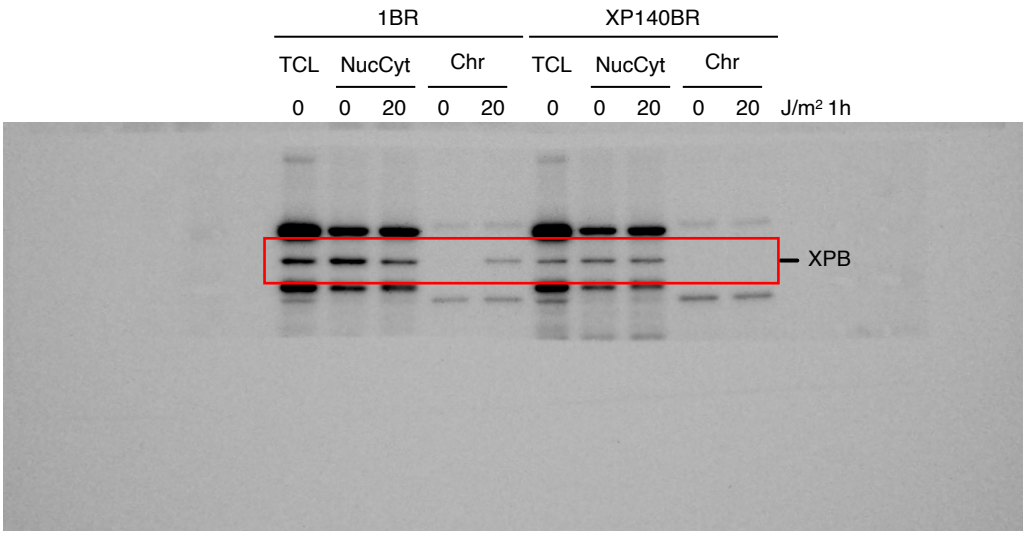
0 0 20 0 20 0 0 20 0 20 J/m² 1h
48
p52 (N)


1BR
XP140BR
TCL NucCyt Chr TCL NucCyt Chr
0 0 20 0 20 0 0 20 0 20 J/m² 1h
48
p52 (C)
*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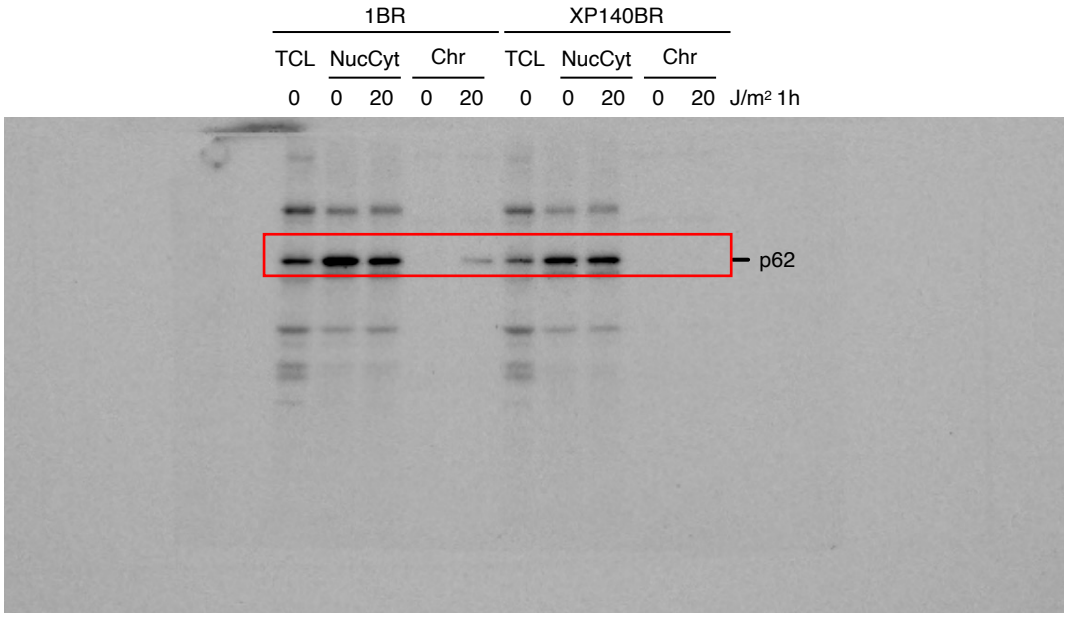
XP140BR
TCL NucCyt Chr TCL NucCyt Chr
0 0 20 0 20 0 0 20 0 20 J/m² 1h
XPB

Fig2 a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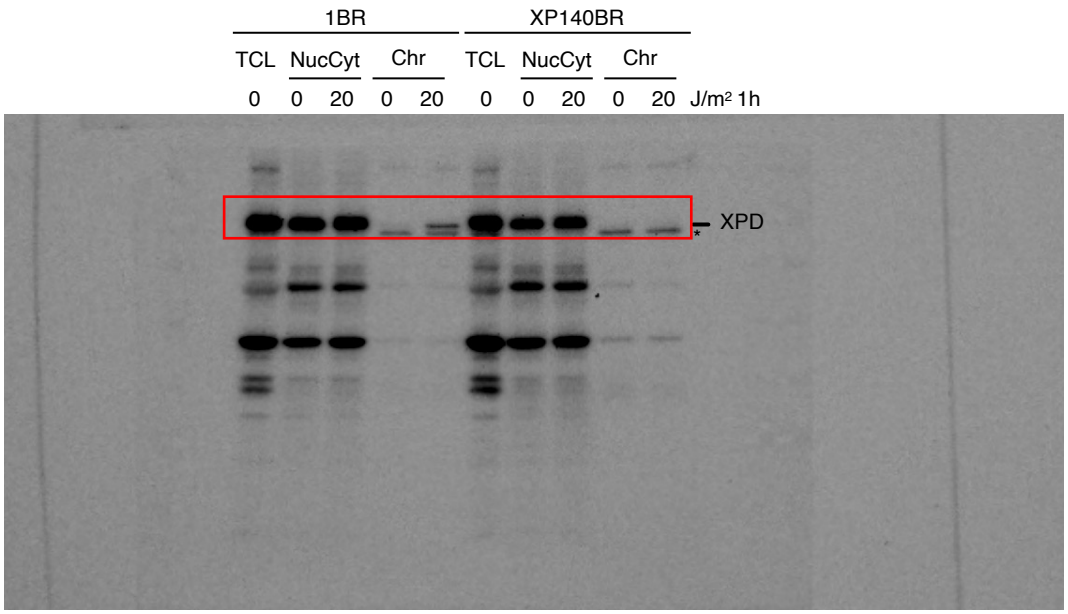
XP140BR
TCL
NucCyt
Chr
TCL
NucCyt
Chr
0 0 20 0 20 0 0 20 0 20 J/m² 1h
p62


1BR
XP140BR
TCL
NucCyt
Chr
TCL
NucCyt
Chr
0 0 20 0 20 0 0 20 0 20 J/m² 1h
XPD
*

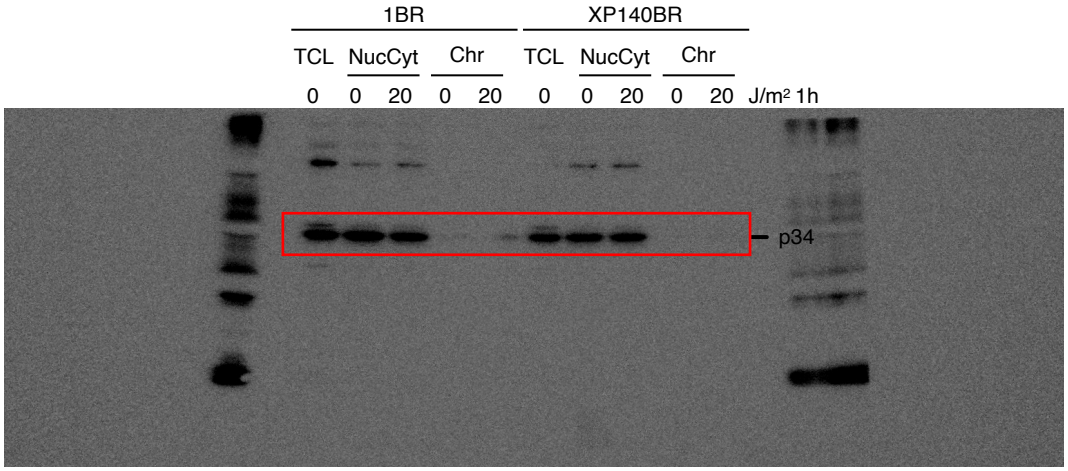
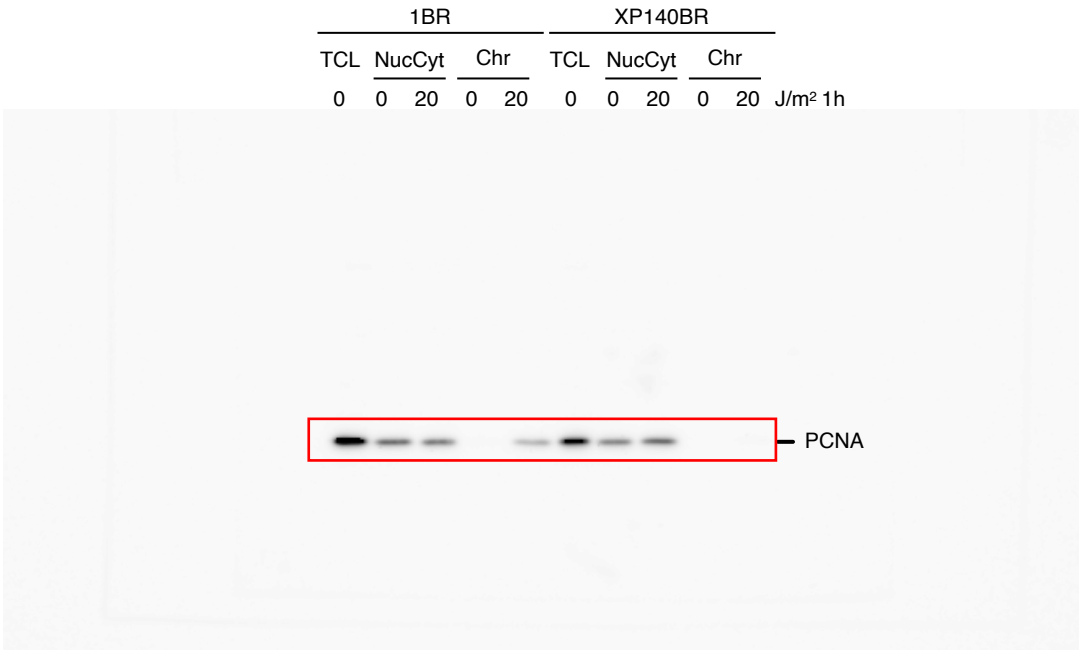

1BR
XP140BR
TCL
NucCyt
Chr
TCL
NucCyt
Chr
0 0 20 0 20 0 0 20 0 20 J/m² 1h
p34

Fig2 a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XP140BR
TCL
NucCyt
Chr
TCL
NucCyt
Chr
0 0 20 0 20 0 0 20 0 20 J/m² 1h
PCNA

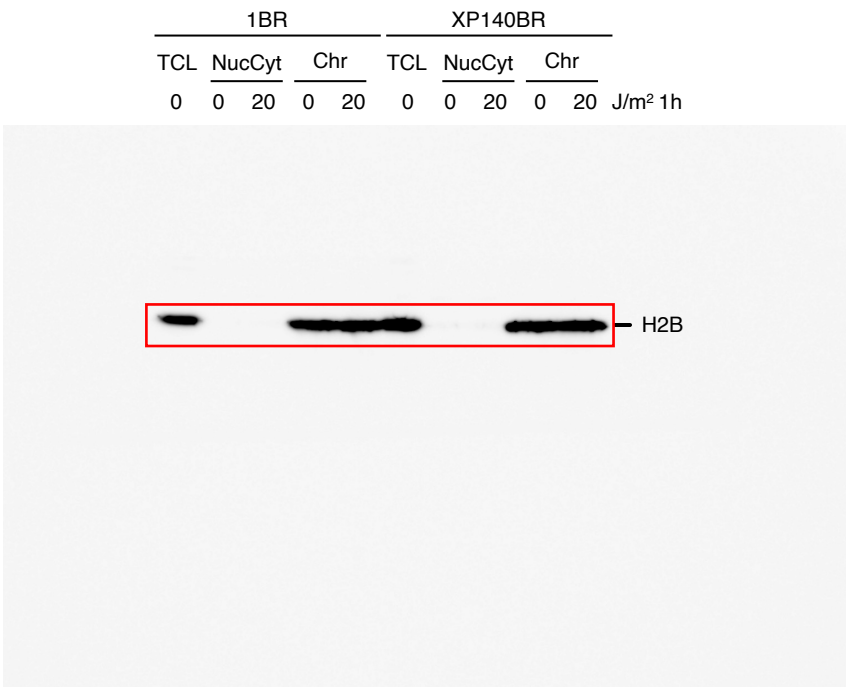
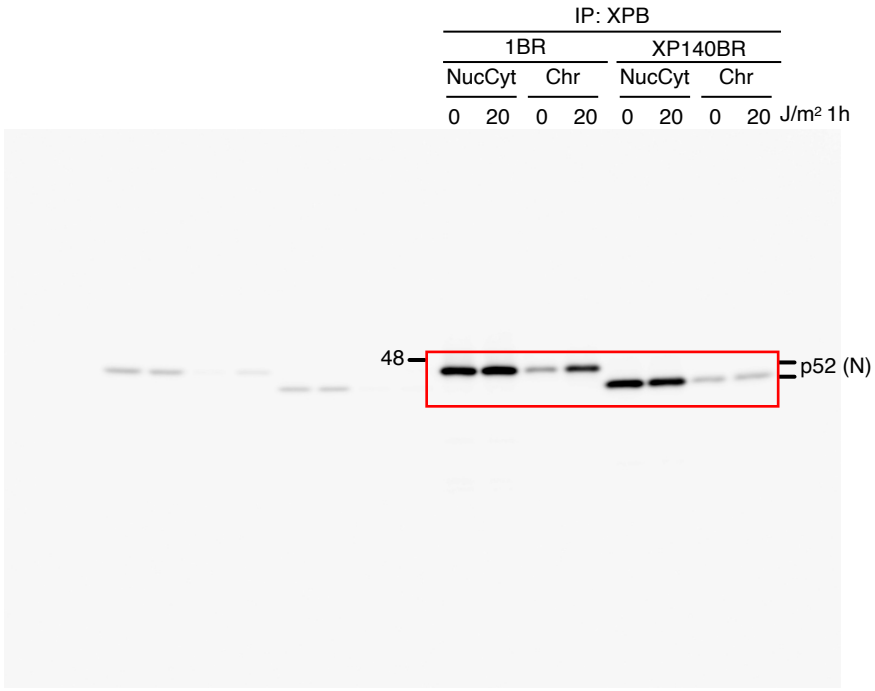
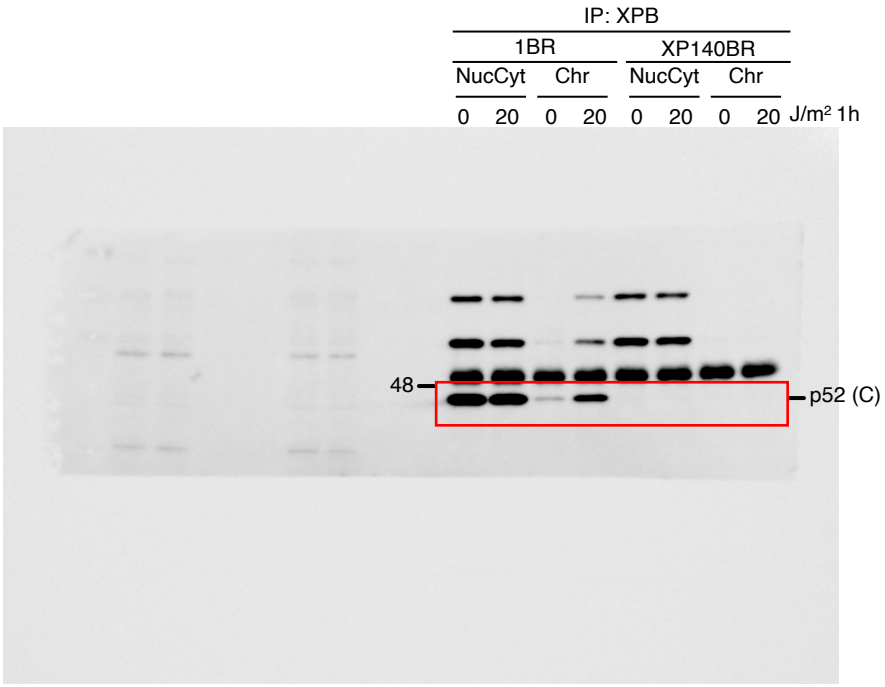

1BR
XP140BR
TCL
NucCyt
Chr
TCL
NucCyt
Chr
0 0 20 0 20 0 0 20 0 20 J/m² 1h
H2B

Fig2 b


IP: XPB
1BR
XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
48
p52 (N)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1BR
XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
48
p52 (C)

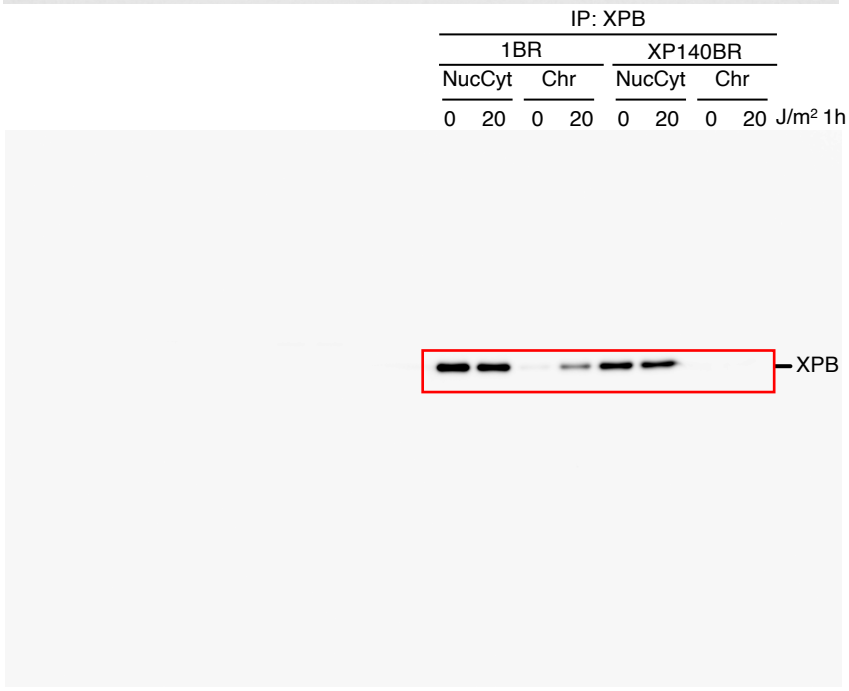
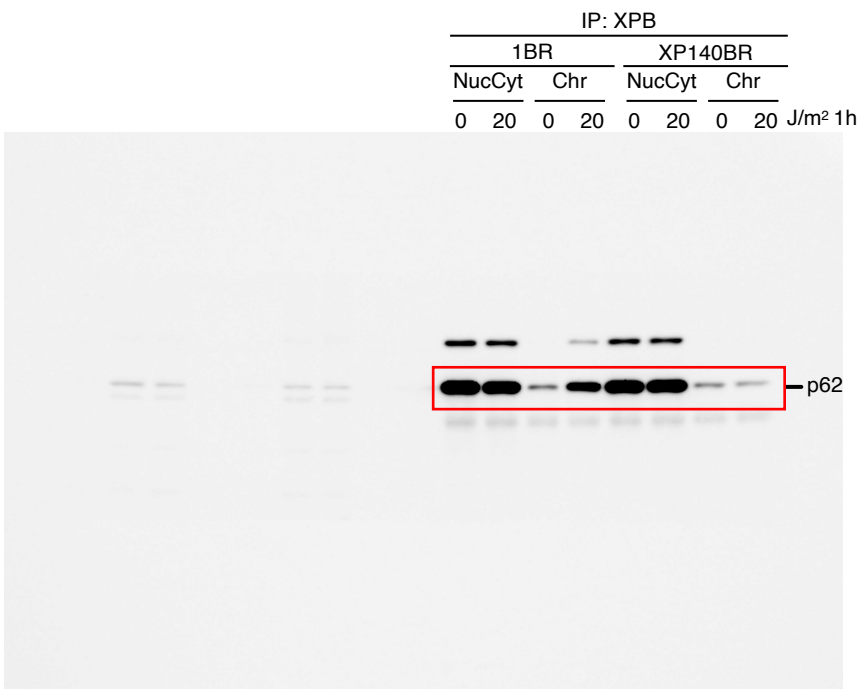

IP: XPB
1BR
XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
XPB

Fig2 b


IP: XPB
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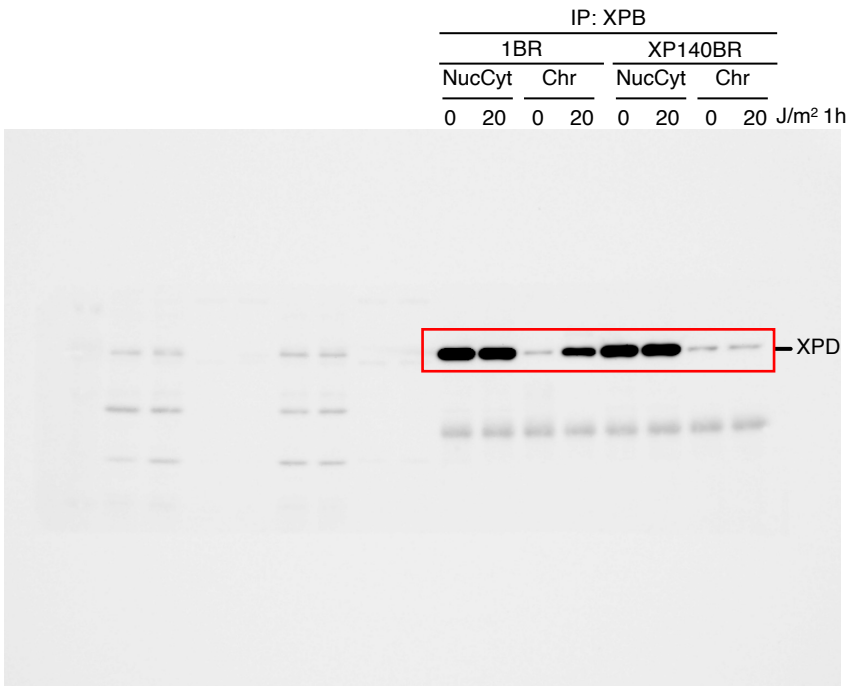
XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
p62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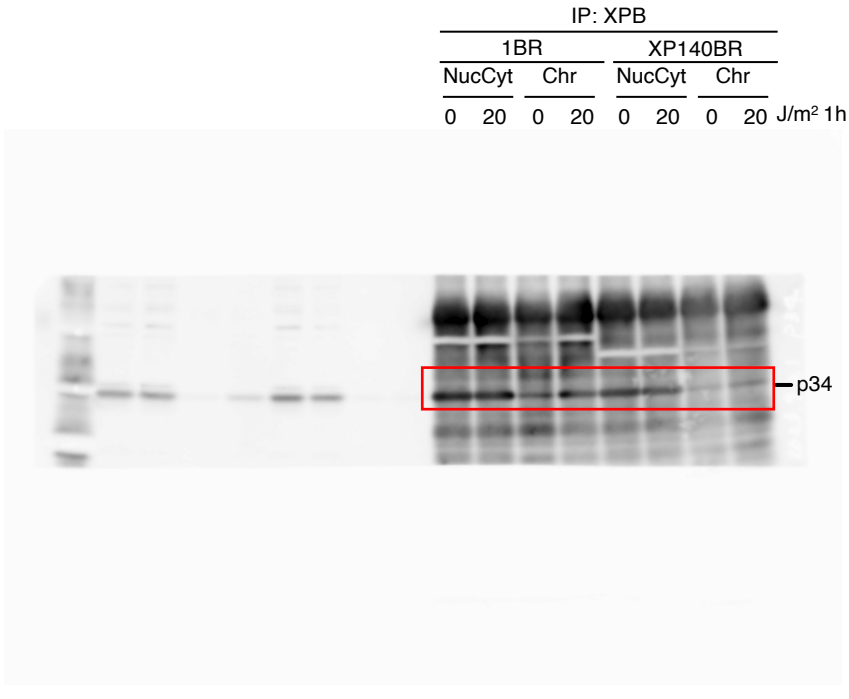
1BR
XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
XPD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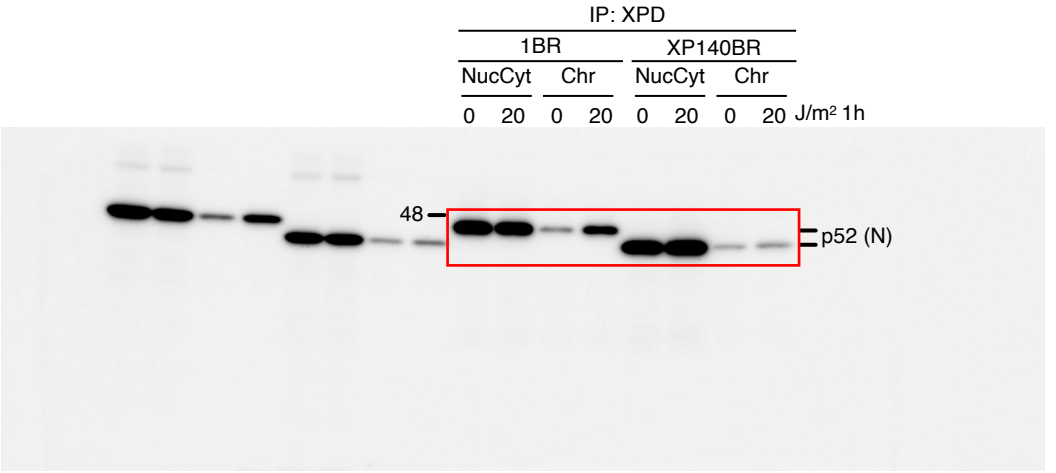
1BR
XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
p34

Fig2 c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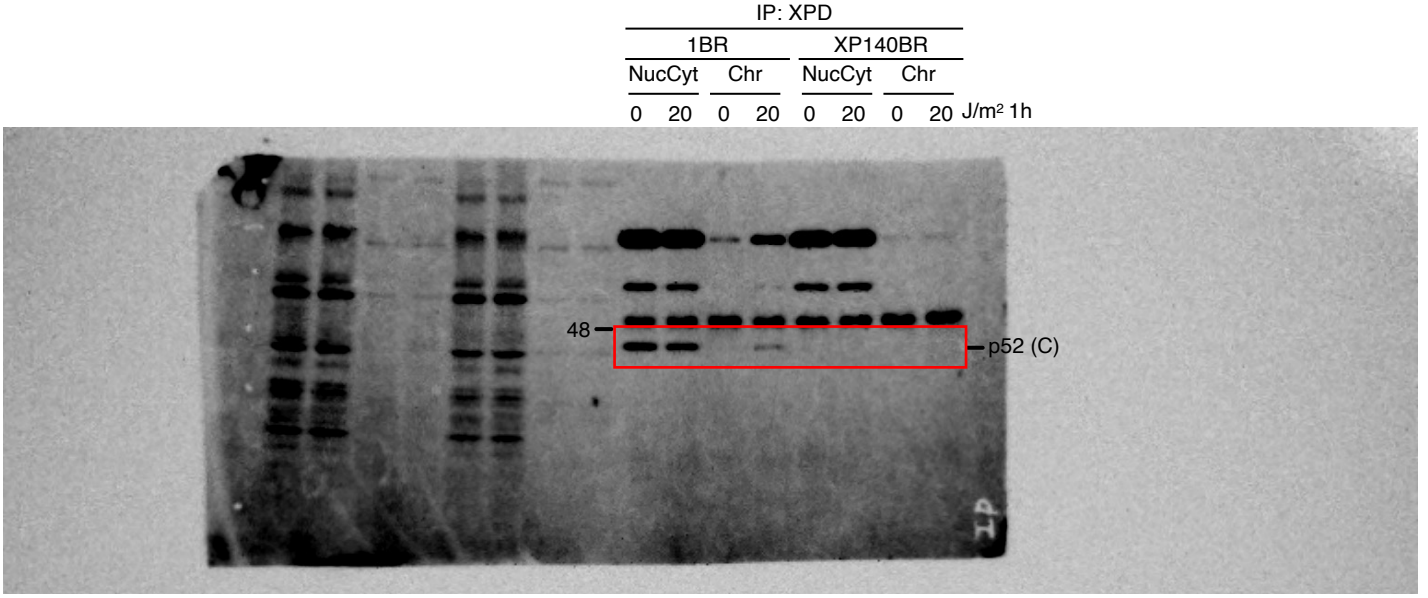
XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
48
p52 (N)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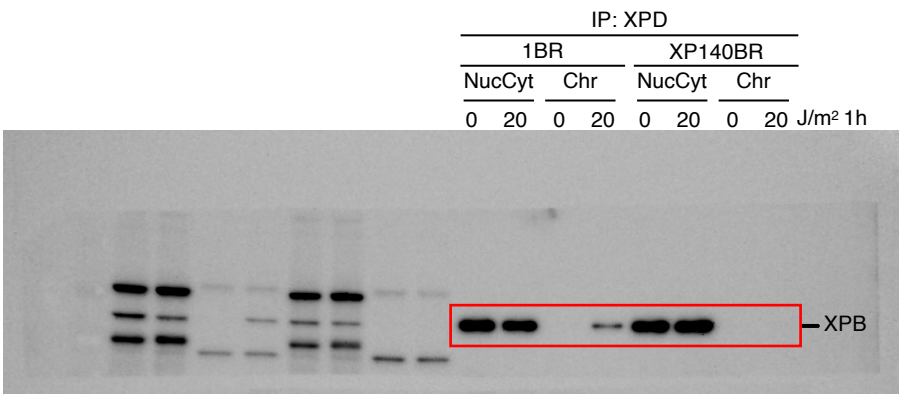
1BR
XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
48
p52 (C)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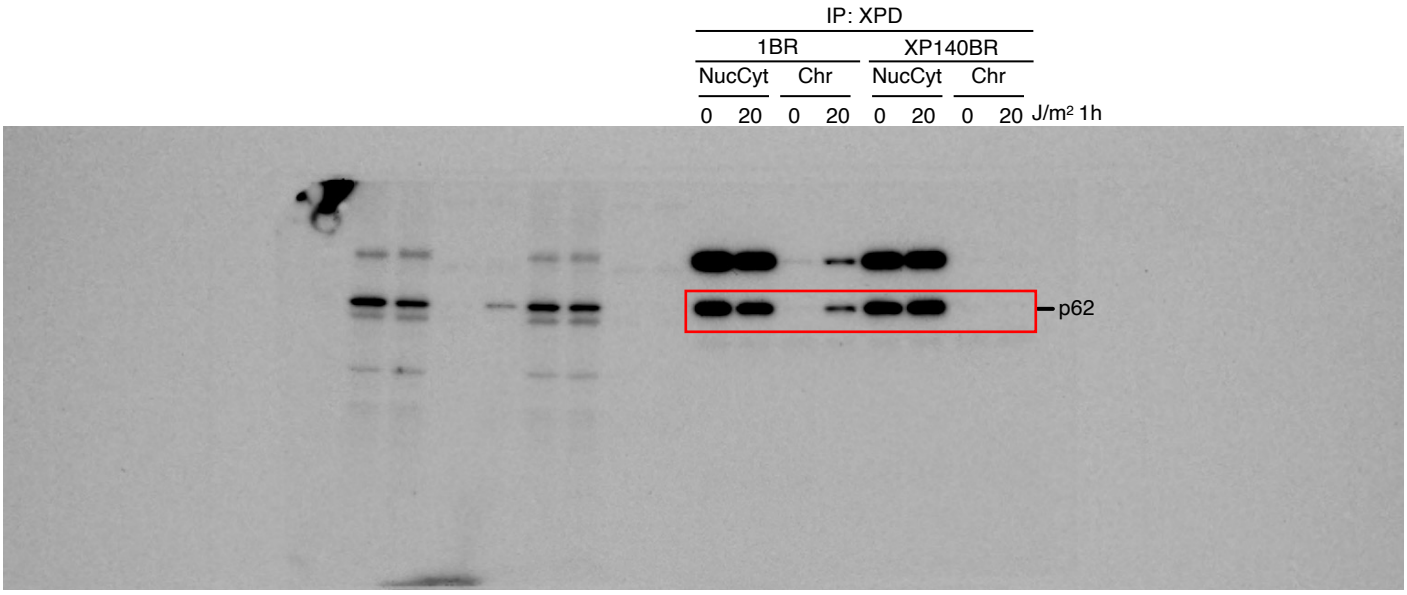
XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
XPB

Fig2 c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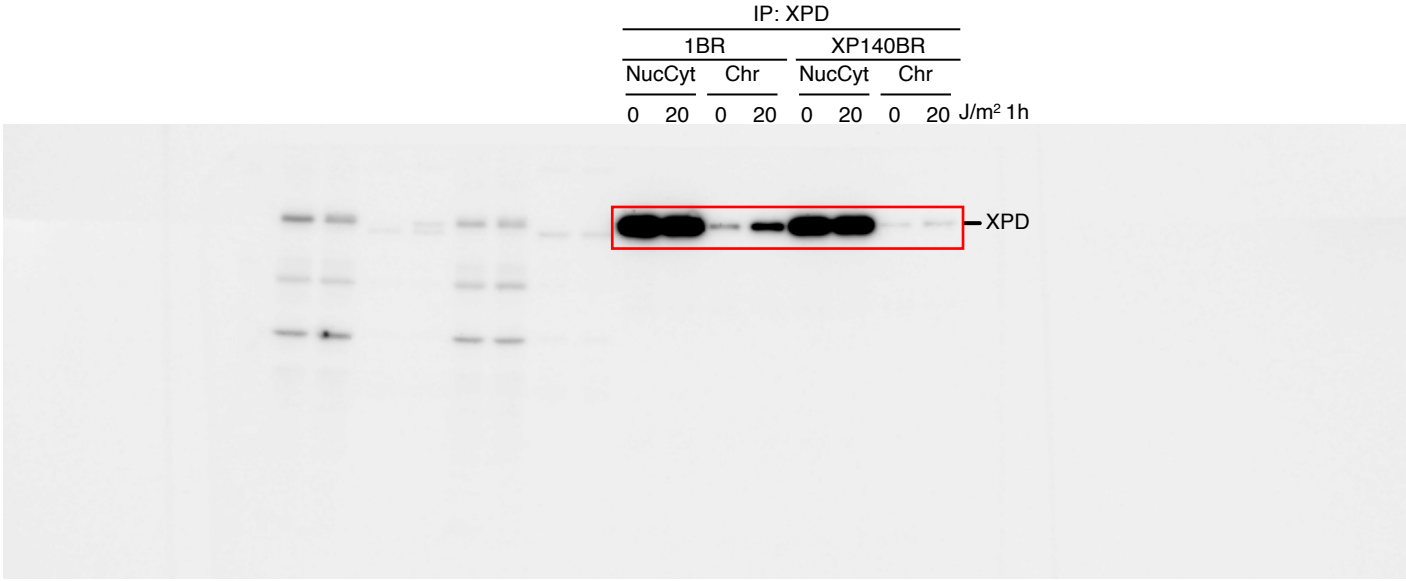
XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
p62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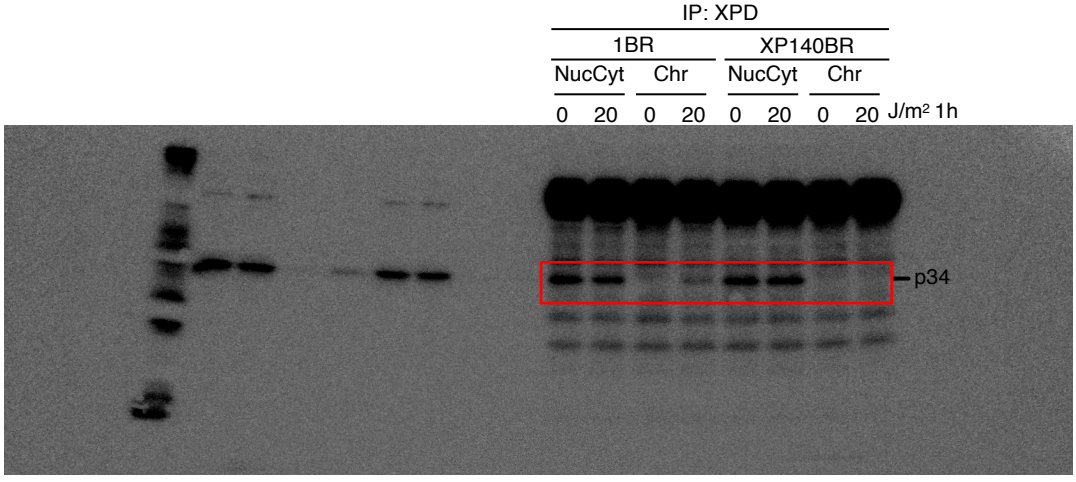
XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
XPD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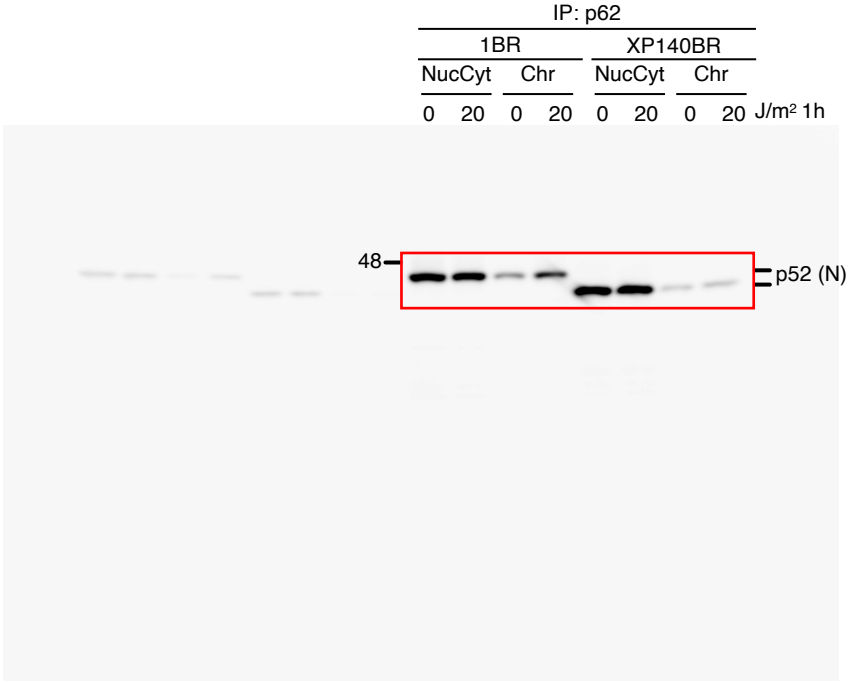
1BR
XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
p34

Fig2 d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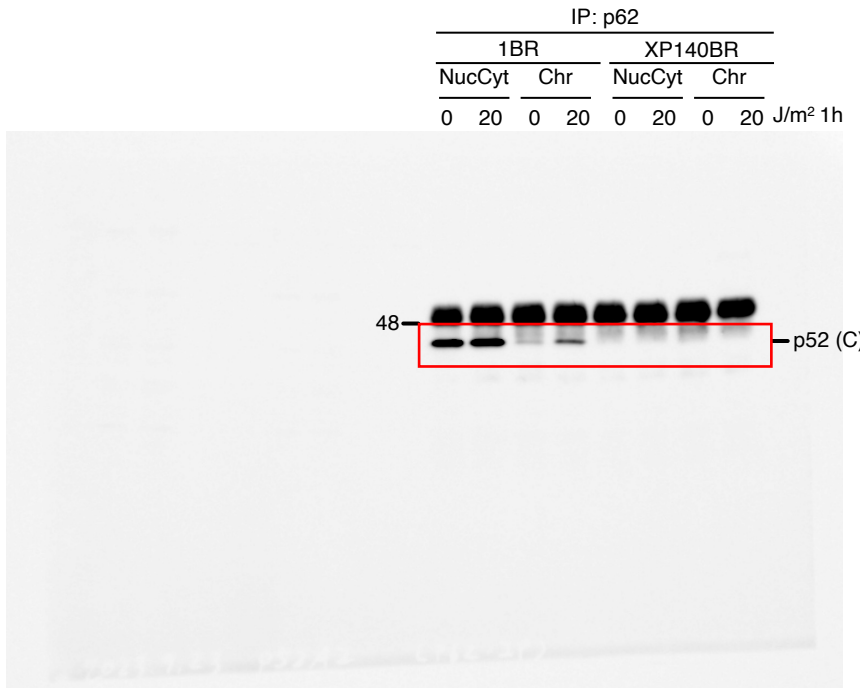
XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
48
p52 (N)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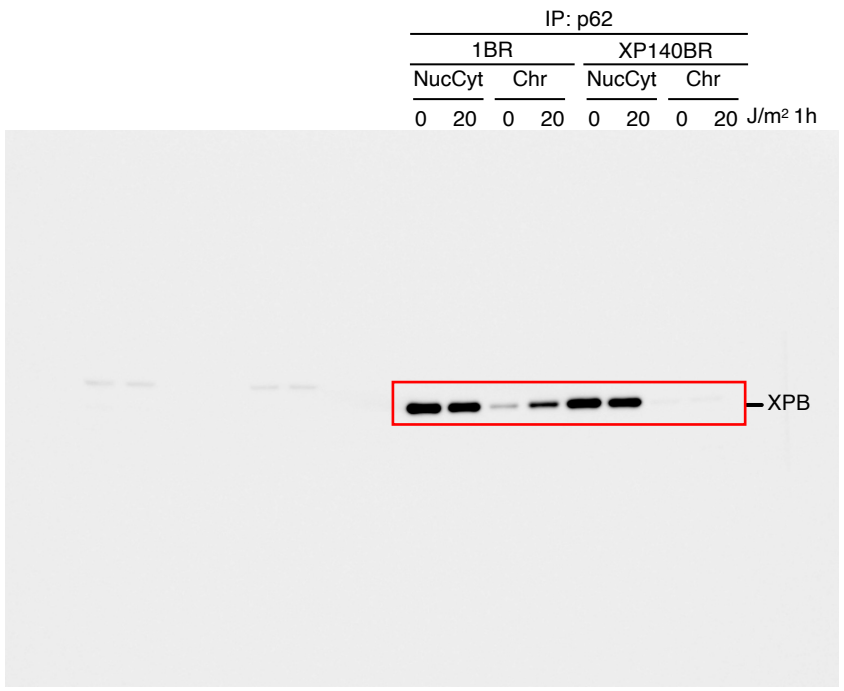
1BR
XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
48
p52 (C)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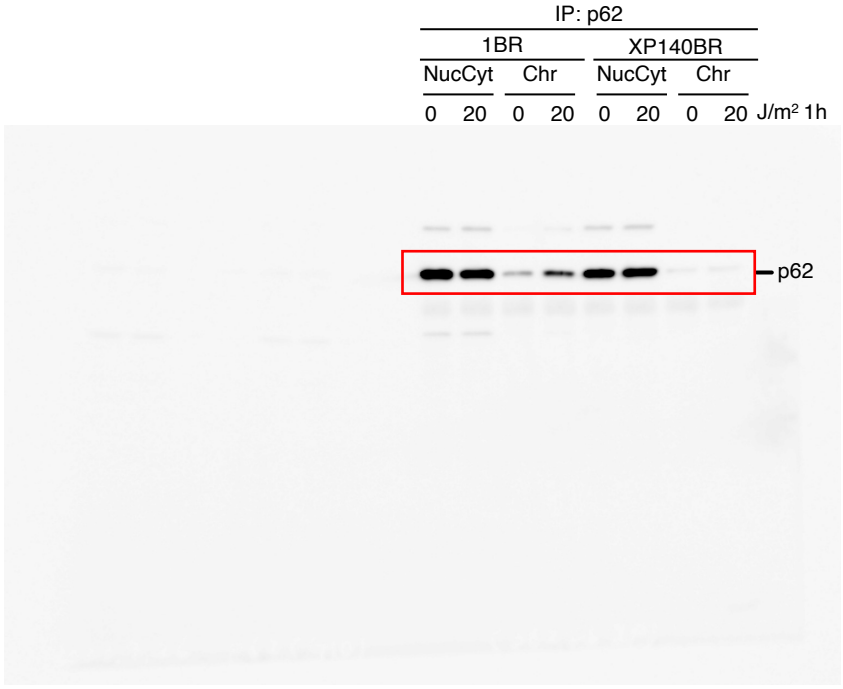
XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
XPB

Fig2 d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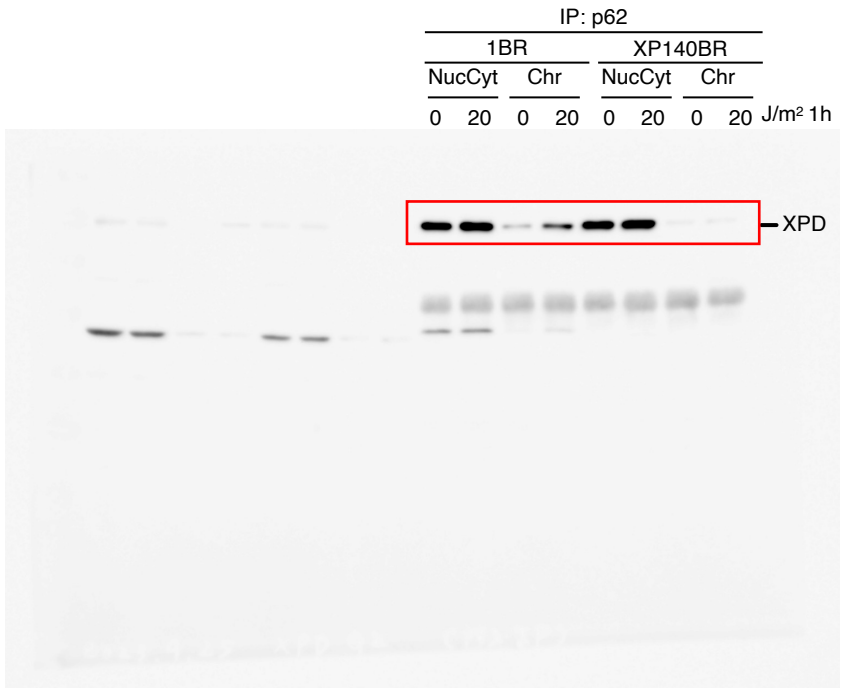
XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
p62


IP: p62
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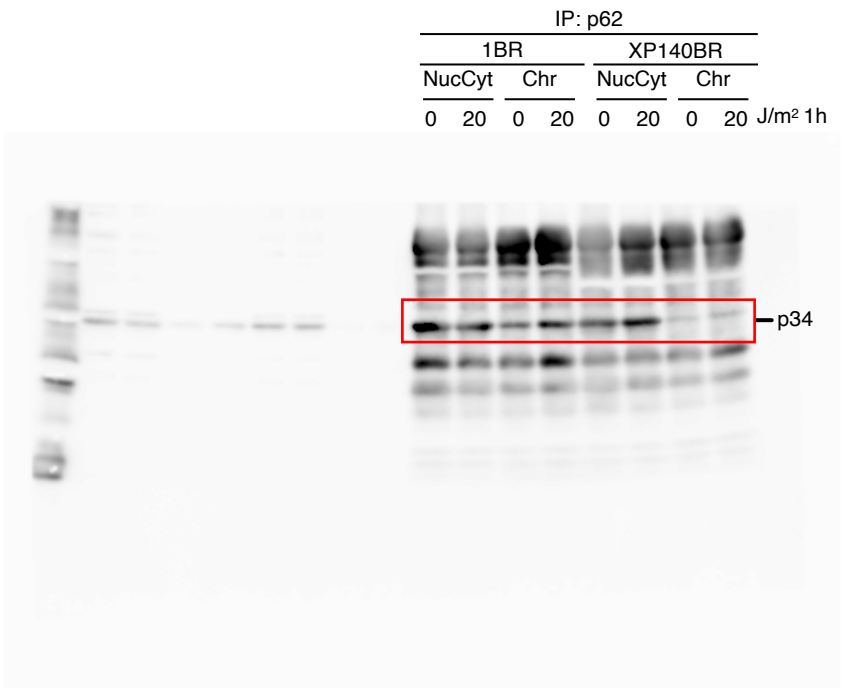
XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
XPD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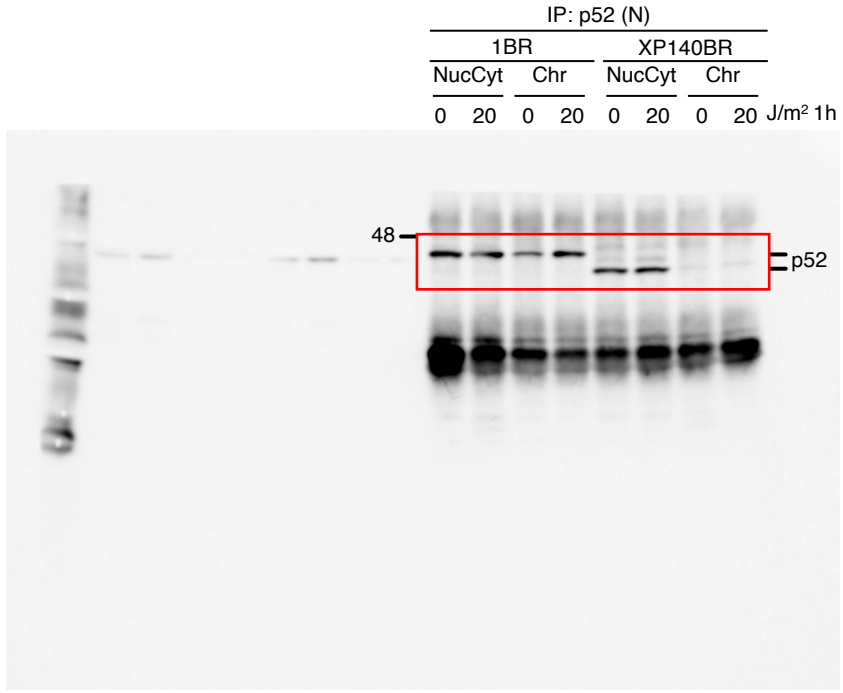
XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
p34

Fig2 e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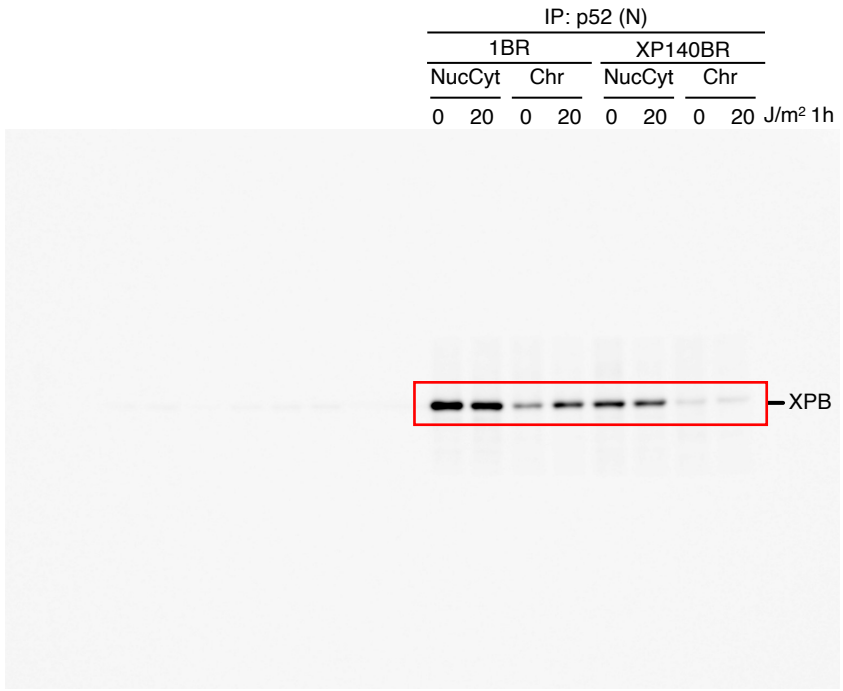
XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
48
p52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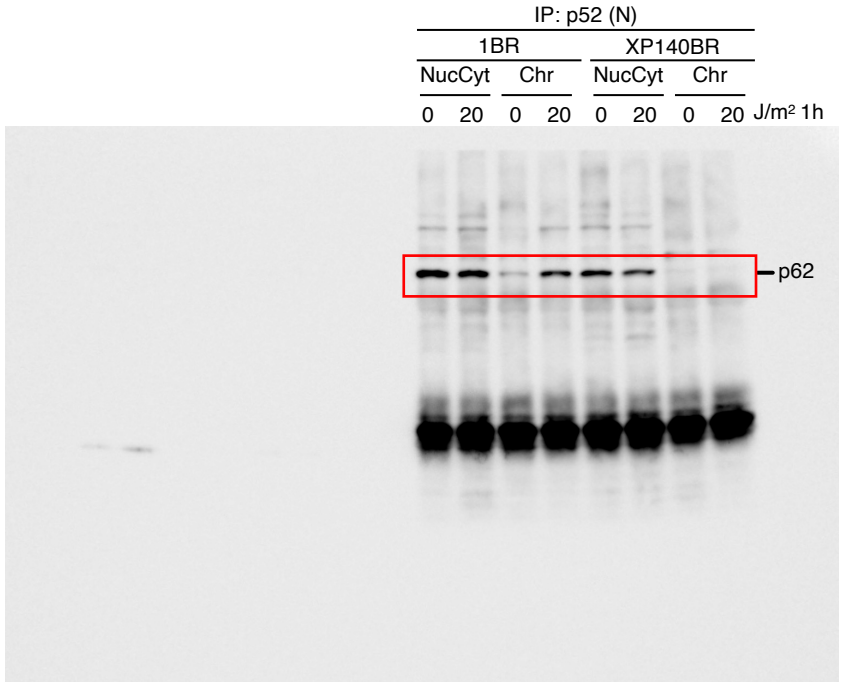
1BR
XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
XPB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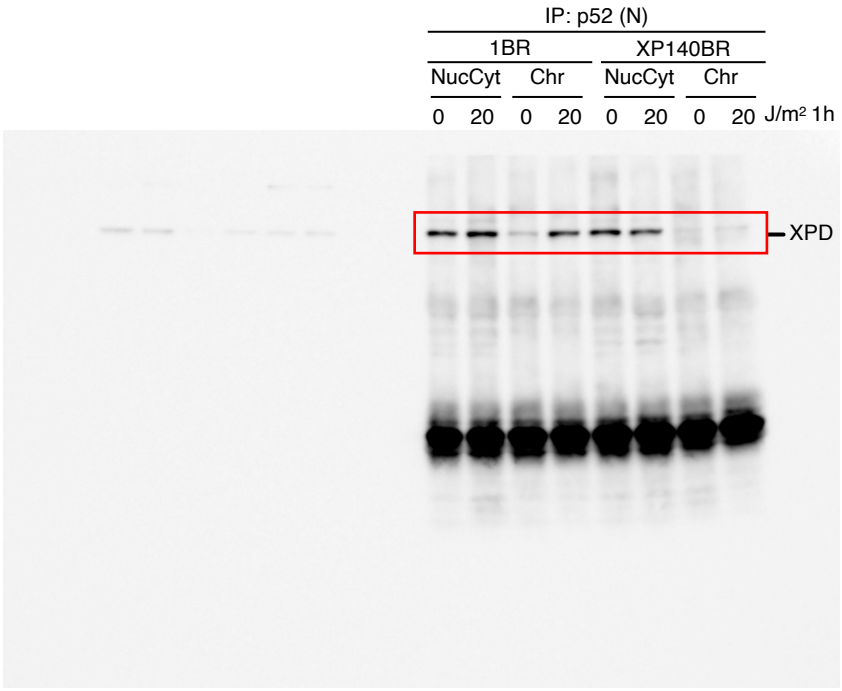
1BR
XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
p62

Fig2 e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XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
XPD

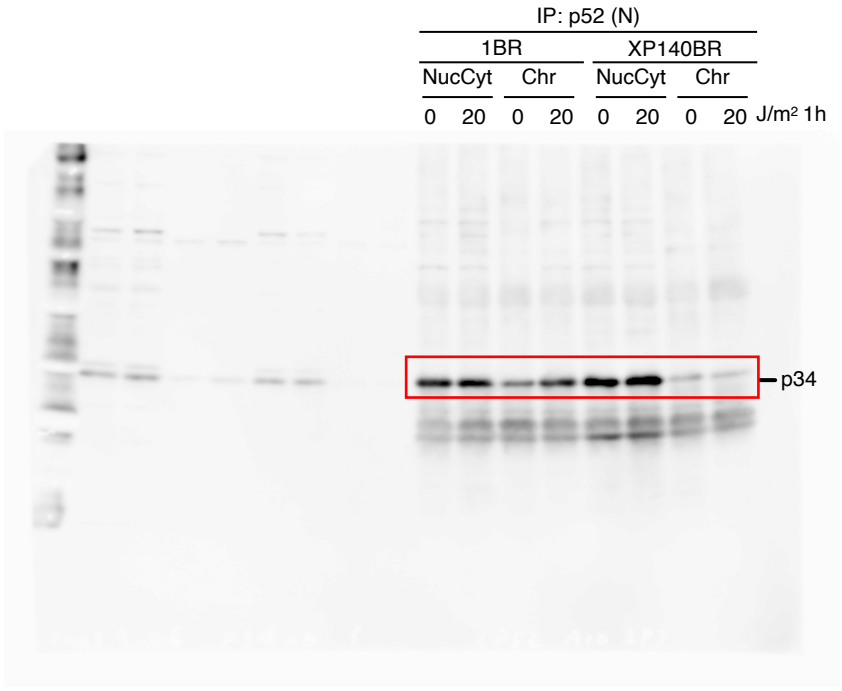
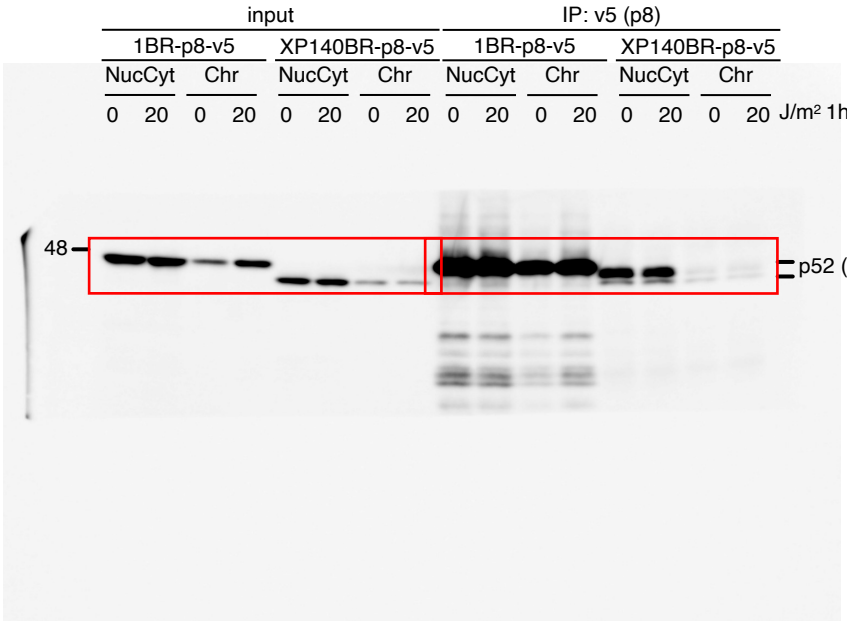
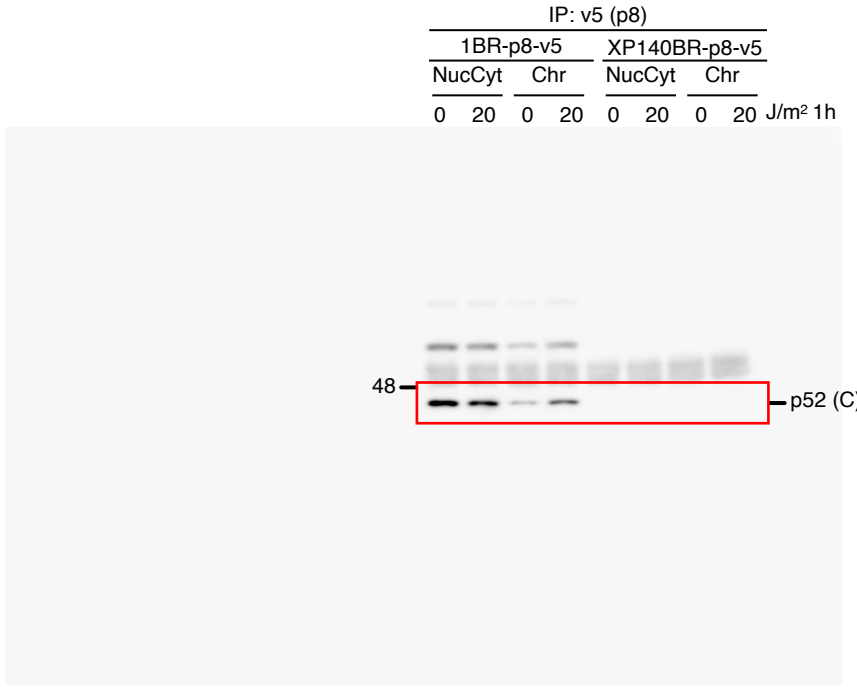
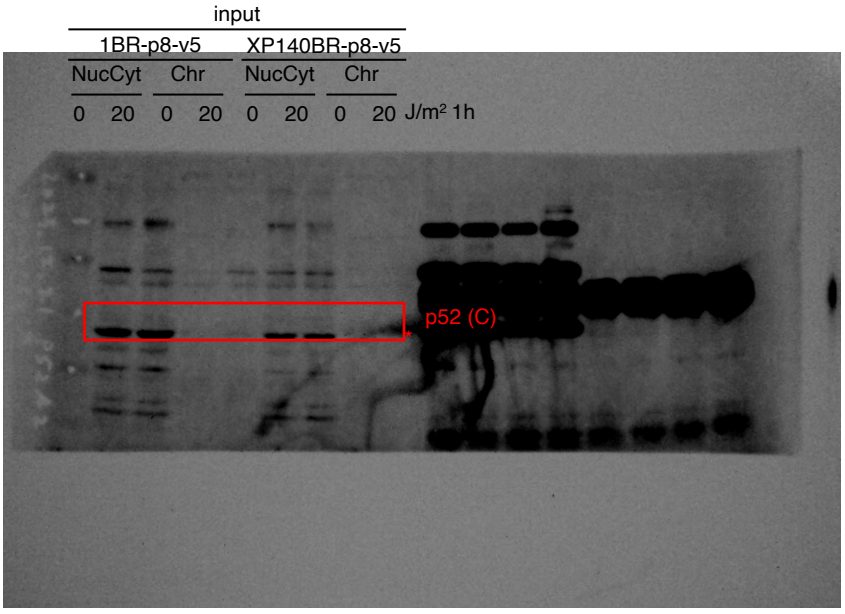

IP: p52 (N)
1BR
XP140BR
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
p34

Fig3 a



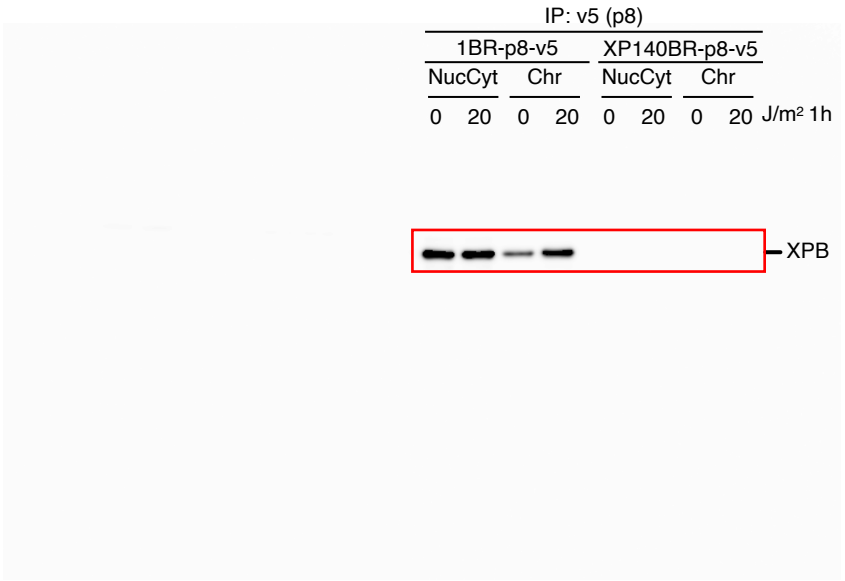


* same membrane
short exp.



* same membrane
long exp.

Fig3 a


IP: v5 (p8)
1BR-p8-v5
XP140BR-p8-v5
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
XPB

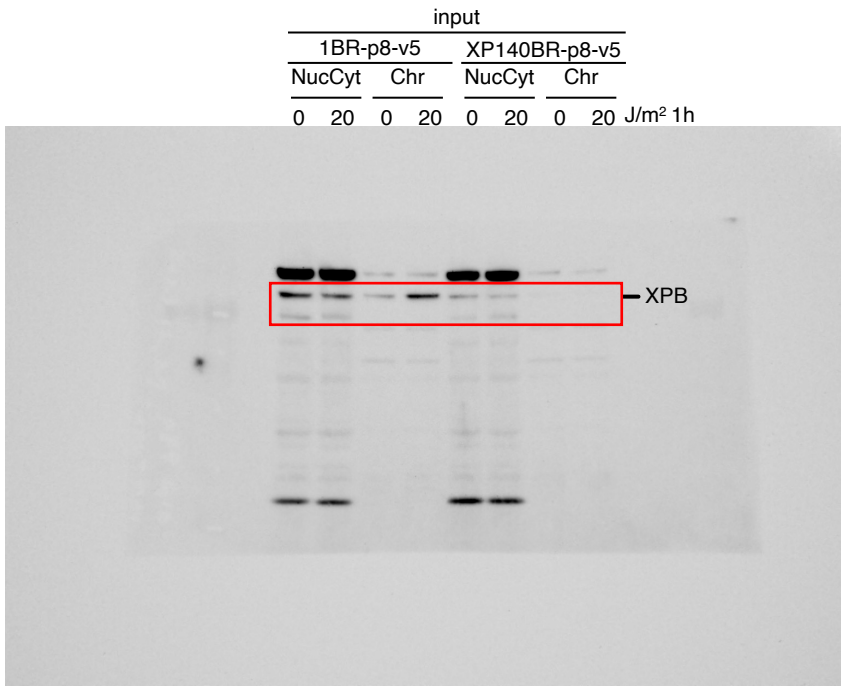
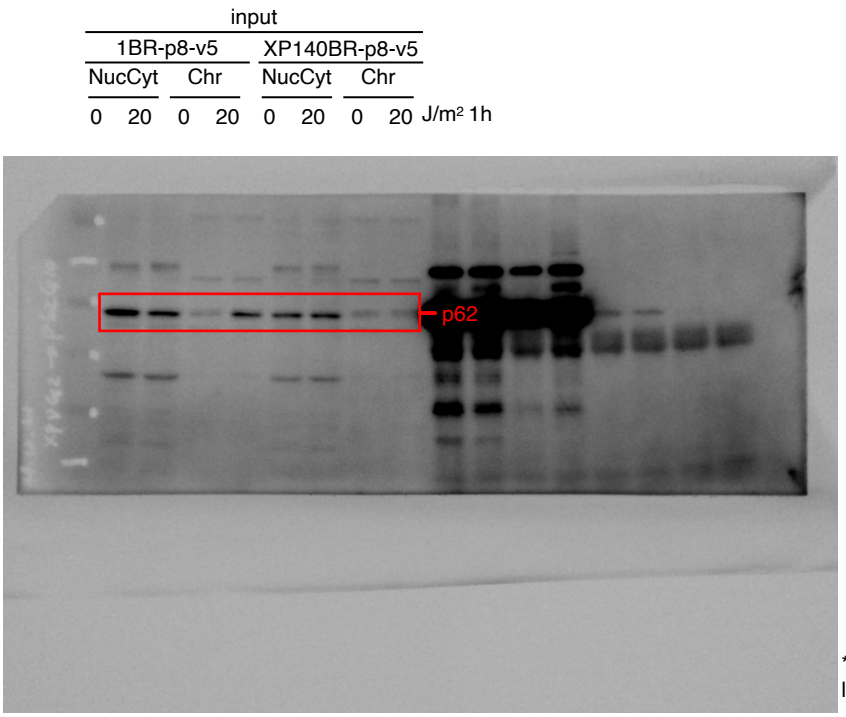

input
1BR-p8-v5
XP140BR-p8-v5
NucCyt
Chr
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
XPB

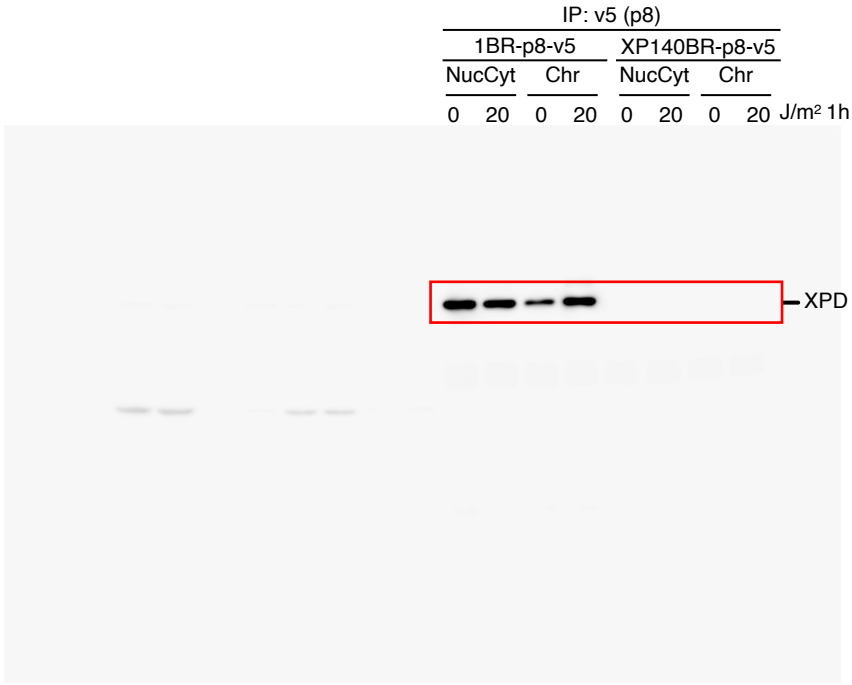
Fig3 a

** same membrane
short exp.

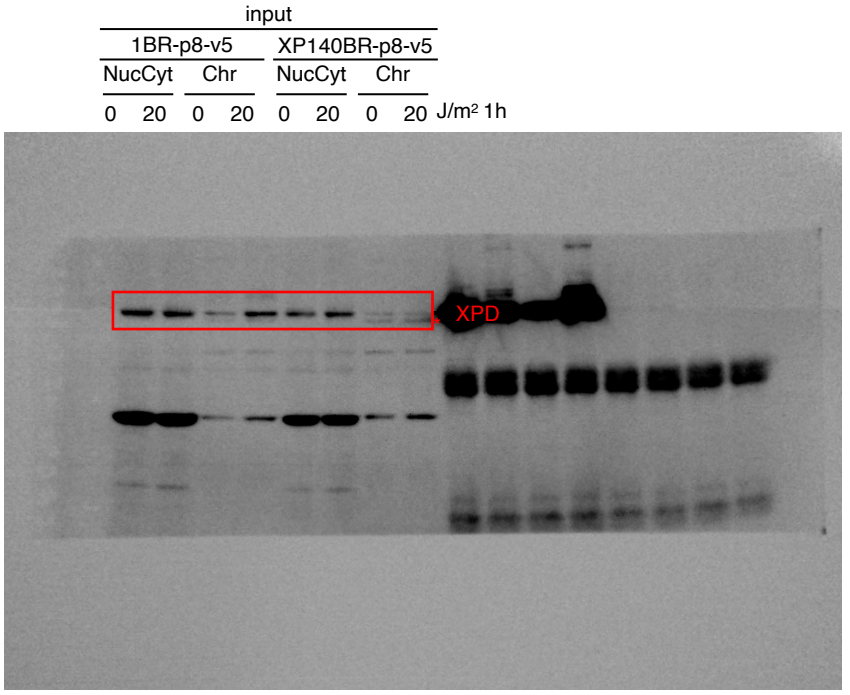


** same membrane
long exp.

Fig3 a

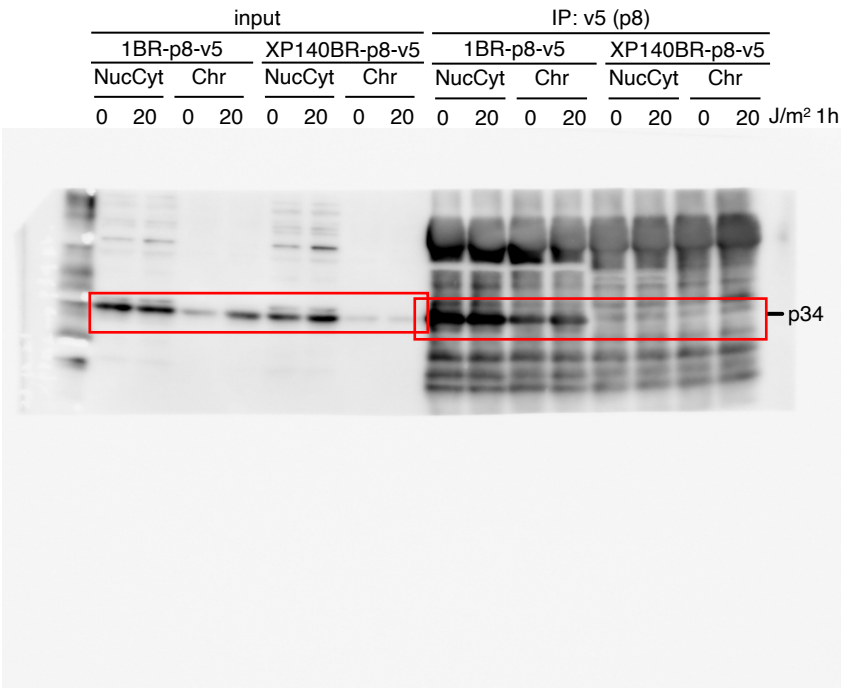


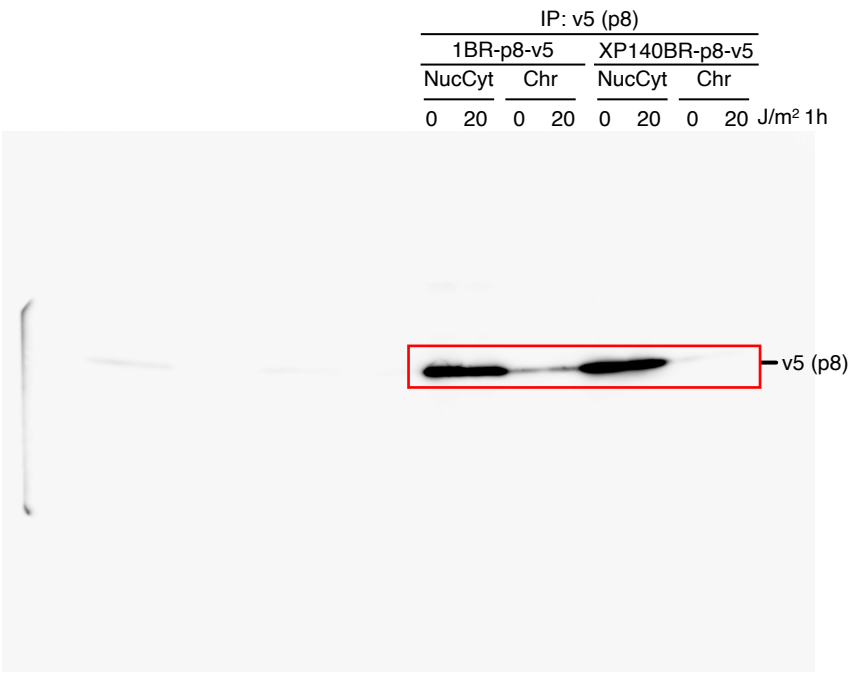
*** same membrane short exp.



*** same membrane long exp.

Fig3 a


input
IP: v5 (p8)
1BR-p8-v5
XP140BR-p8-v5
NucCyt
Chr
0 20 0 20 0 20 0 20 0 20 0 20 0 20 0 20 J/m² 1h
p34


IP: v5 (p8)
1BR-p8-v5
XP140BR-p8-v5
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
v5 (p8)

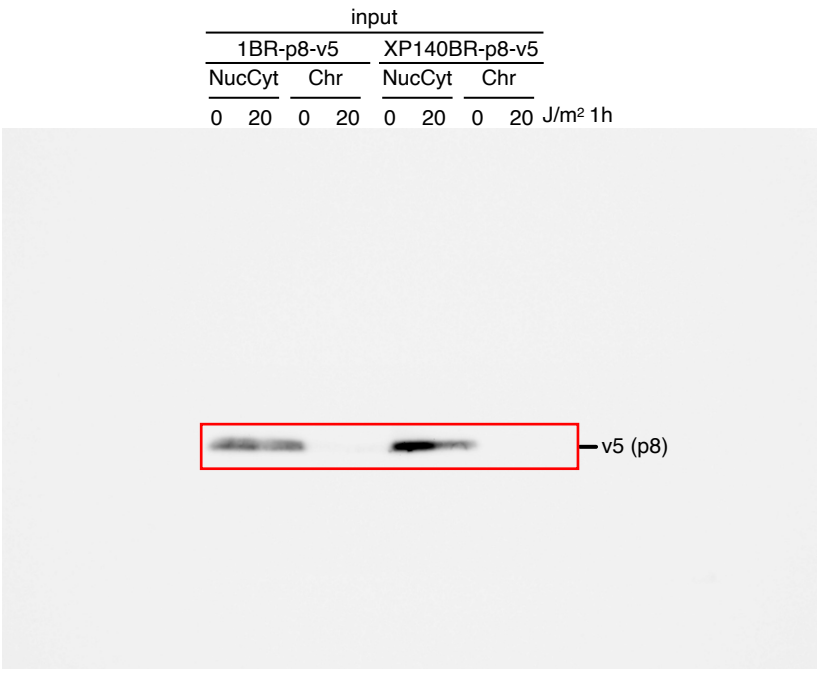

input
1BR-p8-v5
XP140BR-p8-v5
NucCyt
Chr
0 20 0 20 0 20 0 20 J/m² 1h
v5 (p8)

Fig3 a

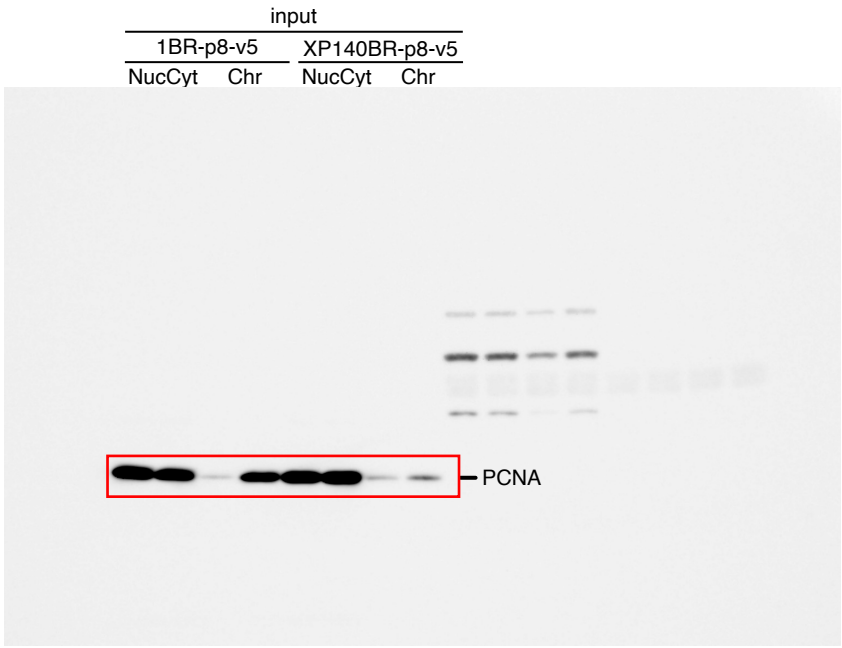
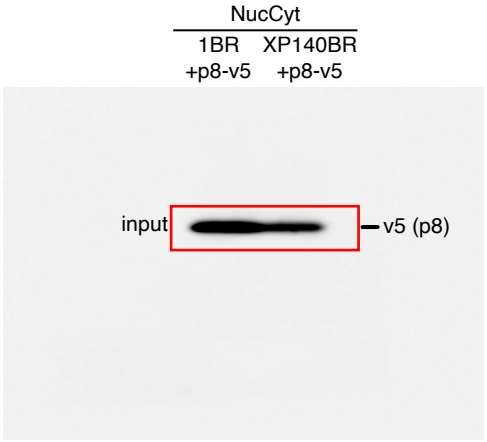
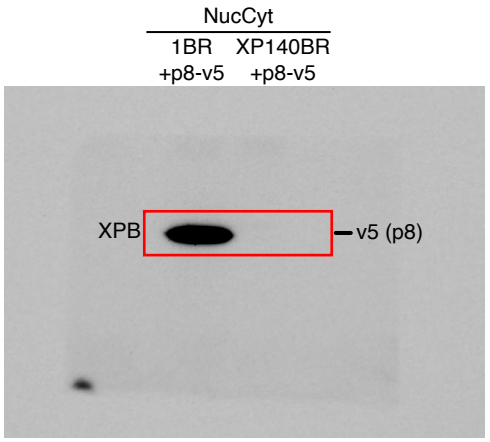
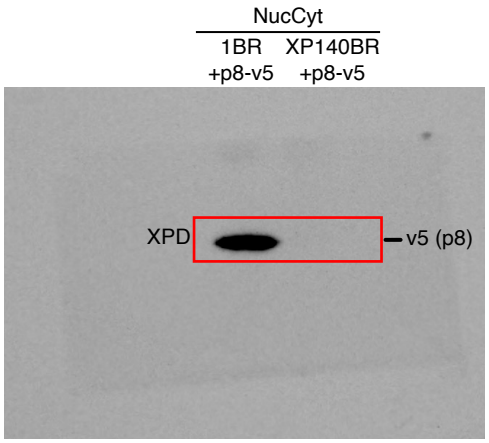
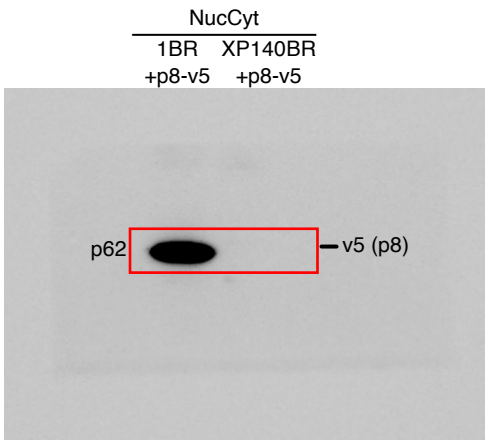


Fig3 b


NucCyt
1BR +p8-v5
XP140BR +p8-v5
input
v5 (p8)


NucCyt
1BR +p8-v5
XP140BR +p8-v5
XPB
v5 (p8)


NucCyt
1BR +p8-v5
XP140BR +p8-v5
XPD
v5 (p8)


NucCyt
1BR +p8-v5
XP140BR +p8-v5
p62
v5 (p8)

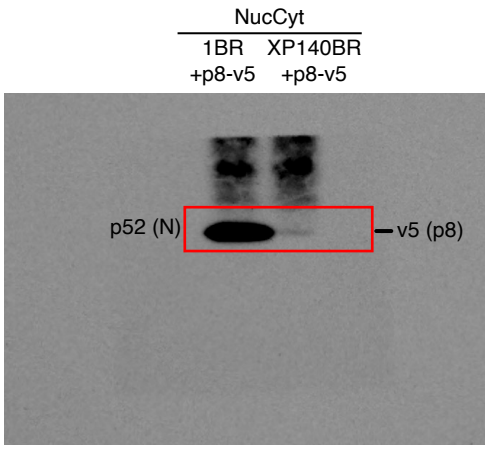

NucCyt
1BR +p8-v5
XP140BR +p8-v5
p52 (N)
v5 (p8)

Fig3 d

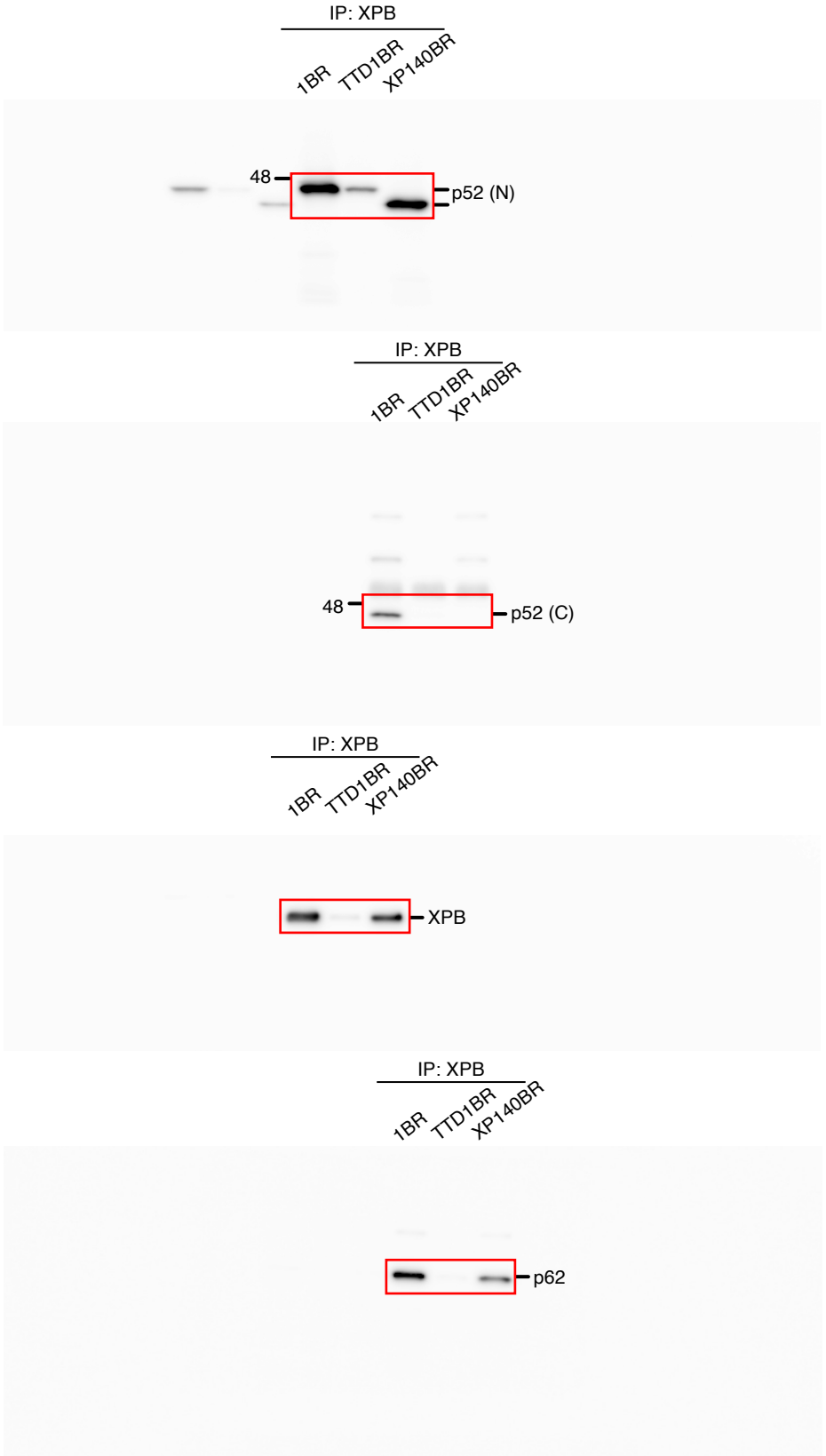

IP: XPB
1BR
TTD1BR
XP140BR
48
p52 (N)
IP: XPB
1BR
TTD1BR
XP140BR
48
p52 (C)
IP: XPB
1BR
TTD1BR
XP140BR
XPB
IP: XPB
1BR
TTD1BR
XP140BR
p62

Fig3 d

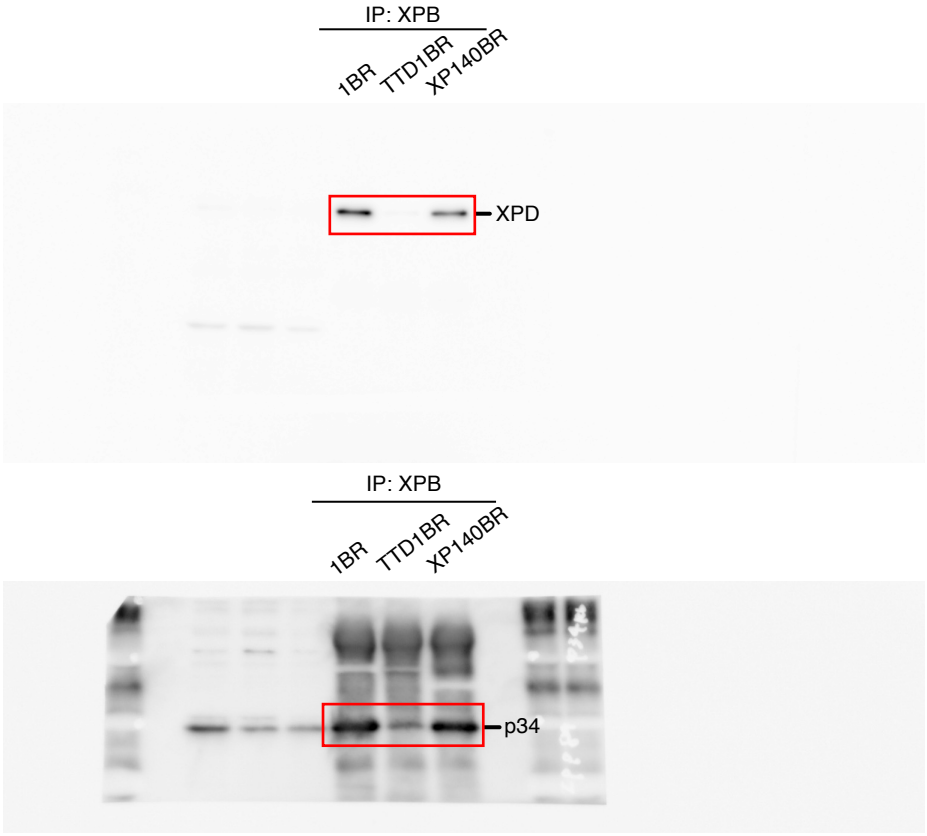
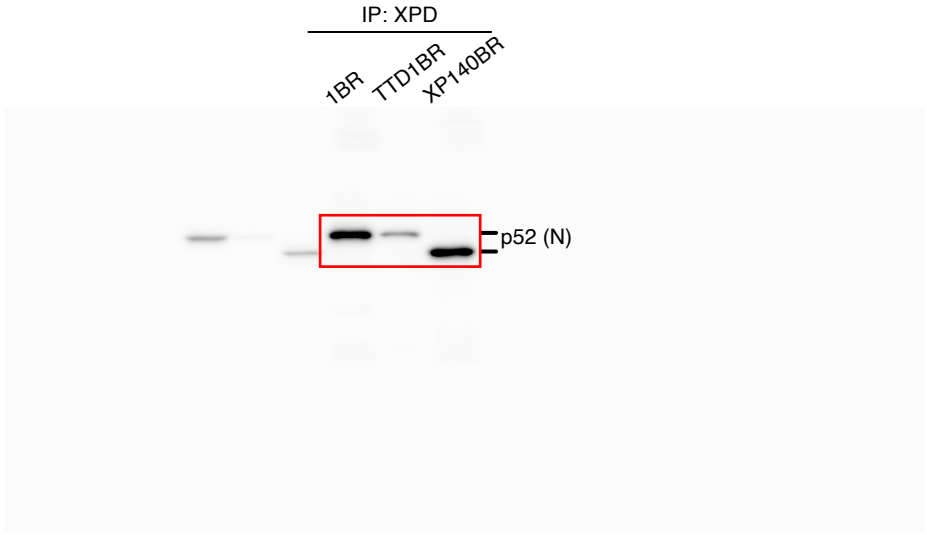
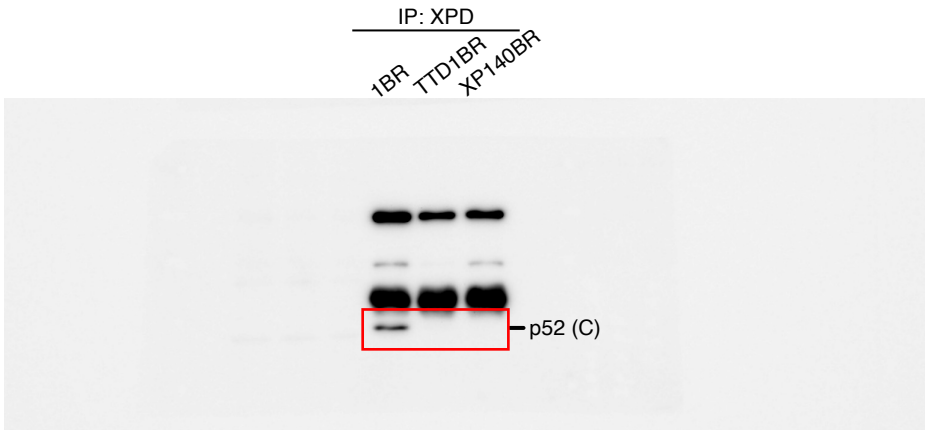
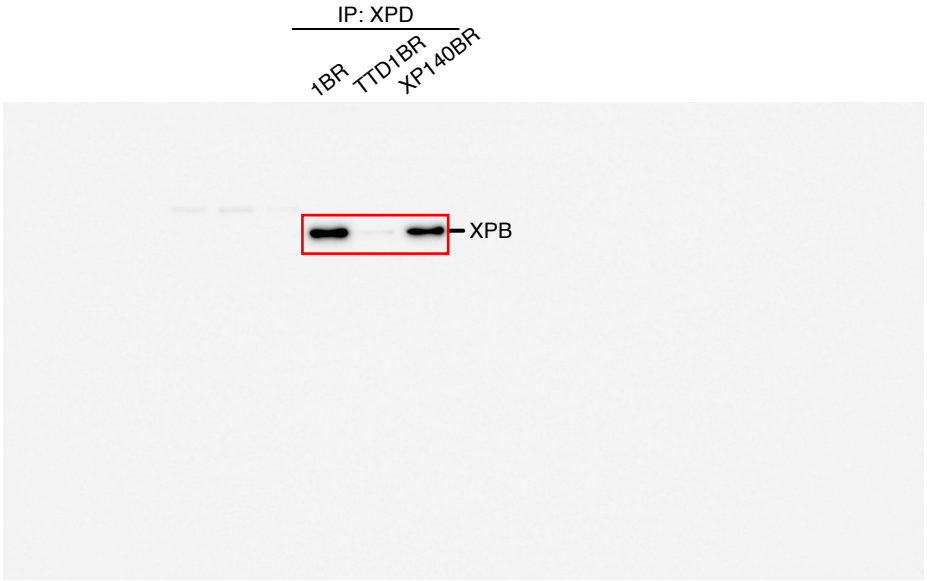


Fig3 d


IP: XPD
1BR
TTD1BR
XP140BR
p52 (N)


IP: XPD
1BR
TTD1BR
XP140BR
p52 (C)


IP: XPD
1BR
TTD1BR
XP140BR
XPB

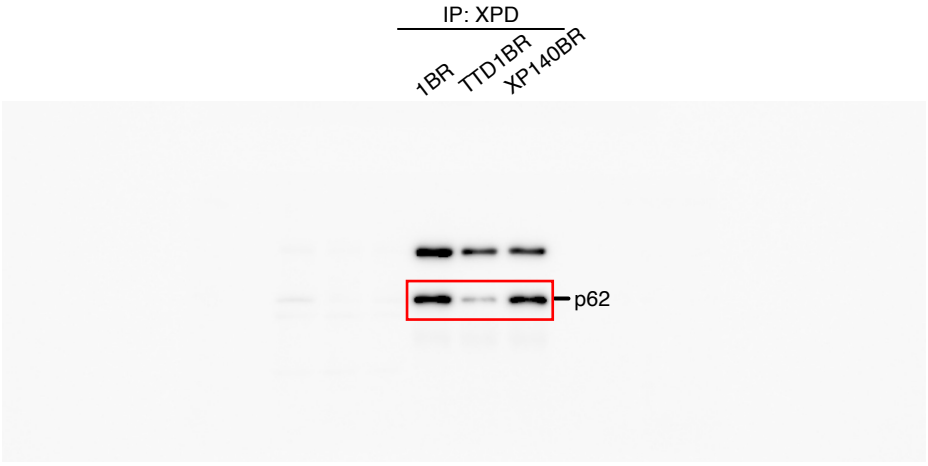
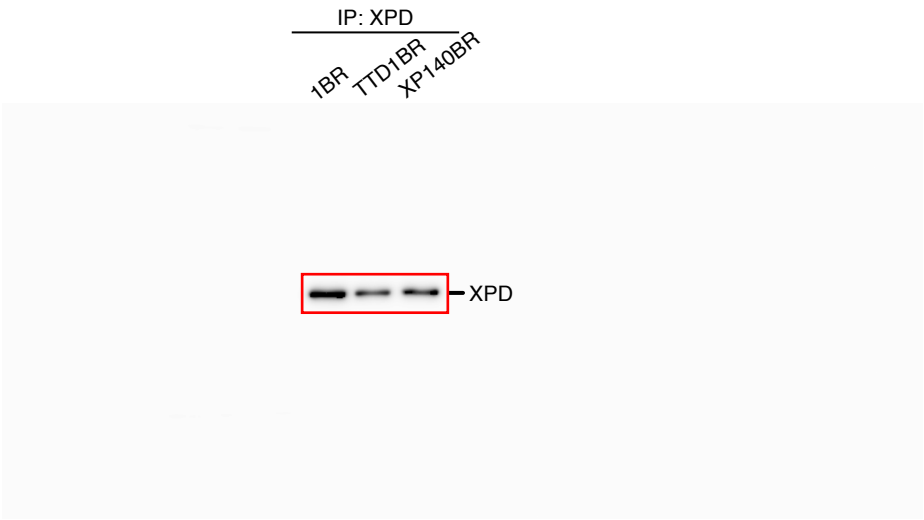

IP: XPD
1BR
TTD1BR
XP140BR
p62

Fig3 d



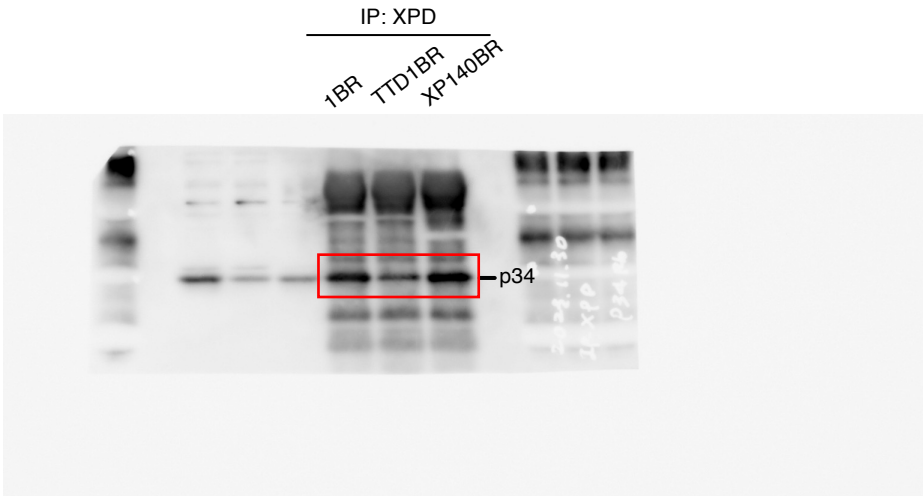
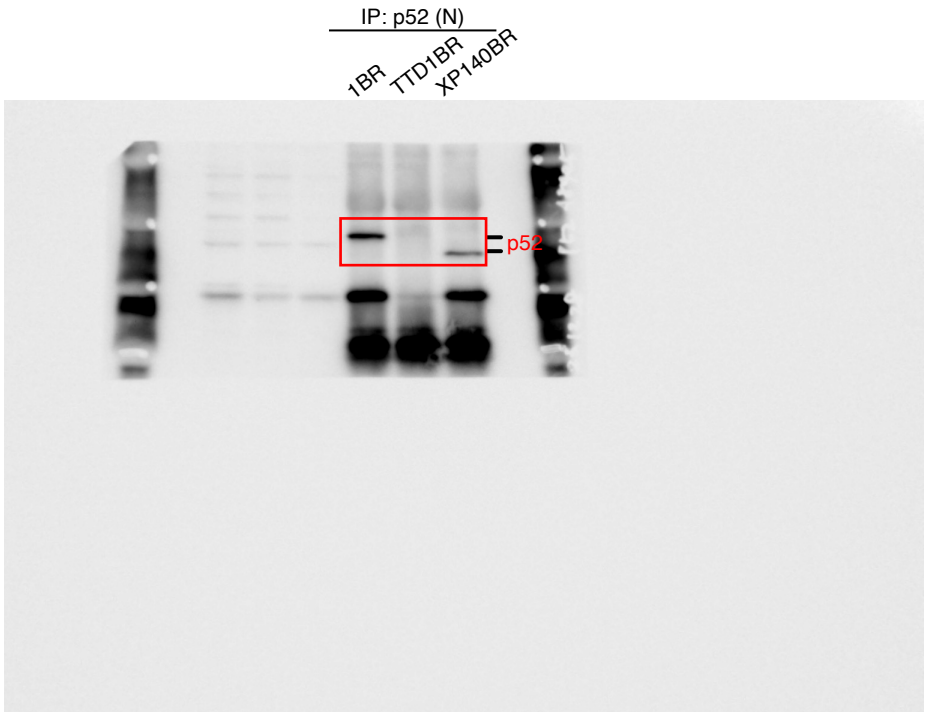


Fig3 d


IP: p52 (N)
1BR
TTD1BR
XP140BR
p52

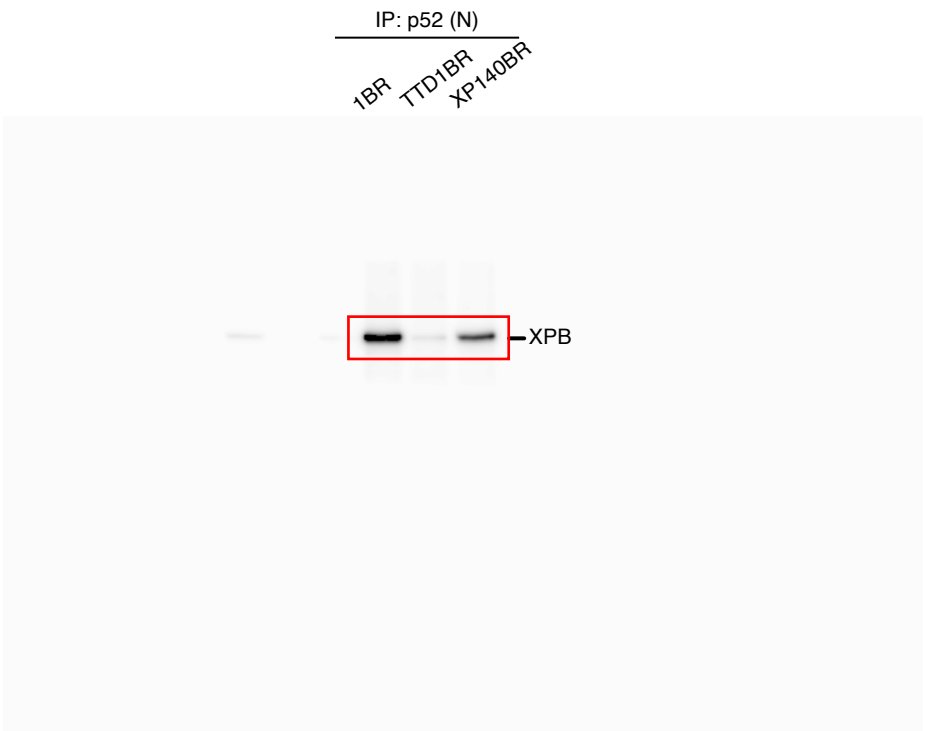
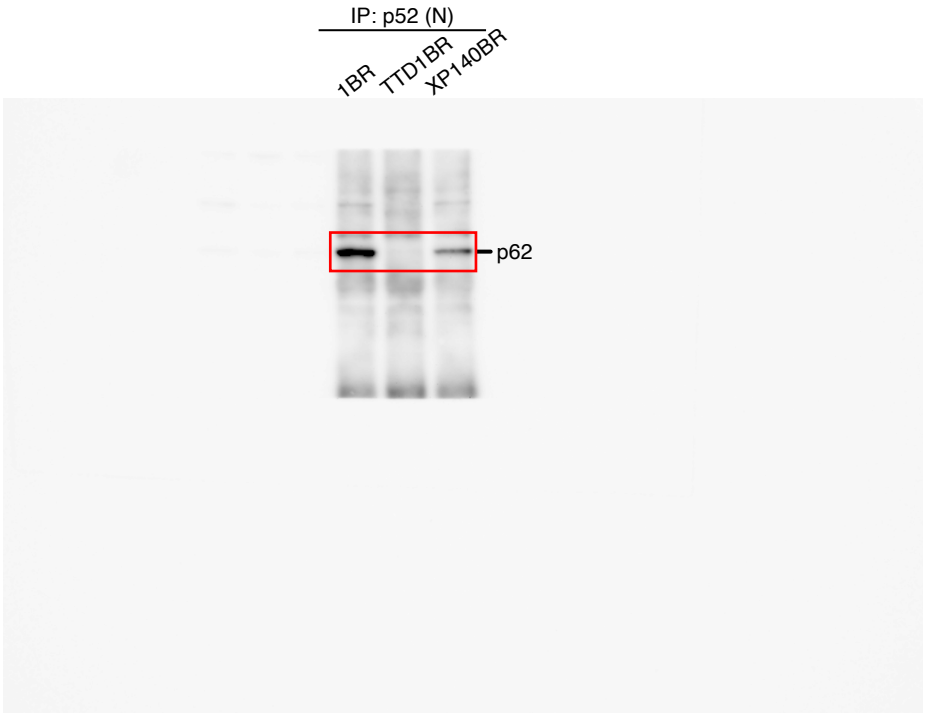

IP: p52 (N)
1BR
TTD1BR
XP140BR
XPB

Fig3 d


IP: p52 (N)
1BR
TTD1BR
XP140BR
p62

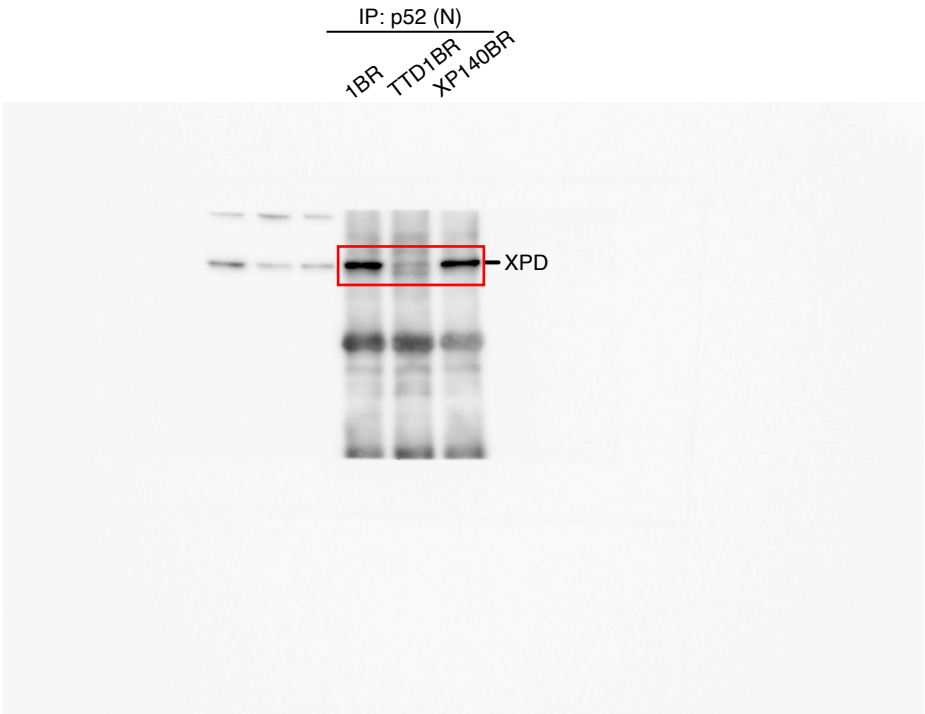

IP: p52 (N)
1BR
TTD1BR
XP140BR
XPD

Fig3 d

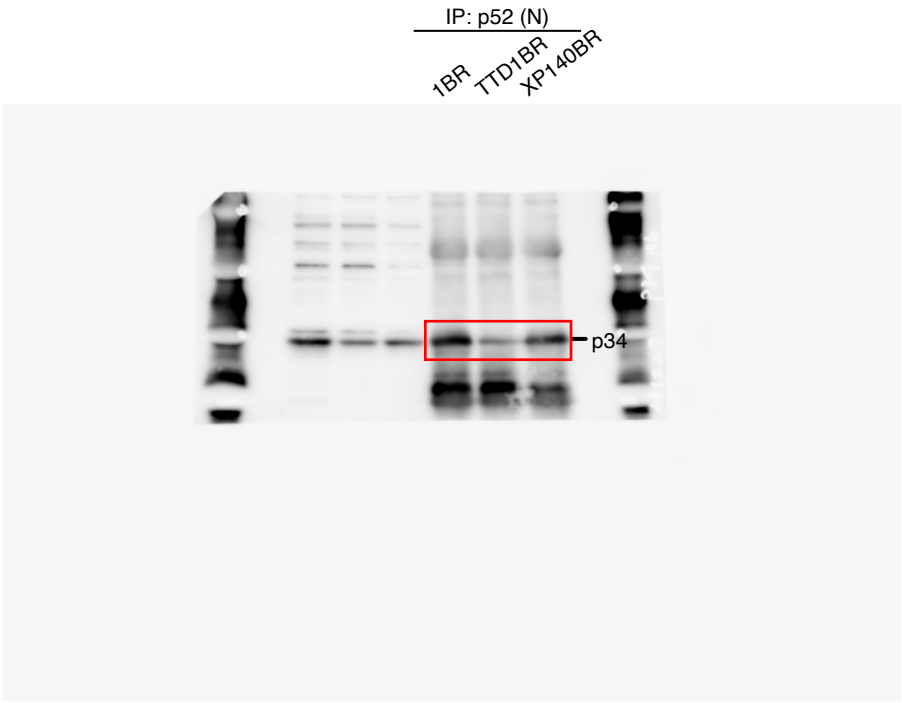
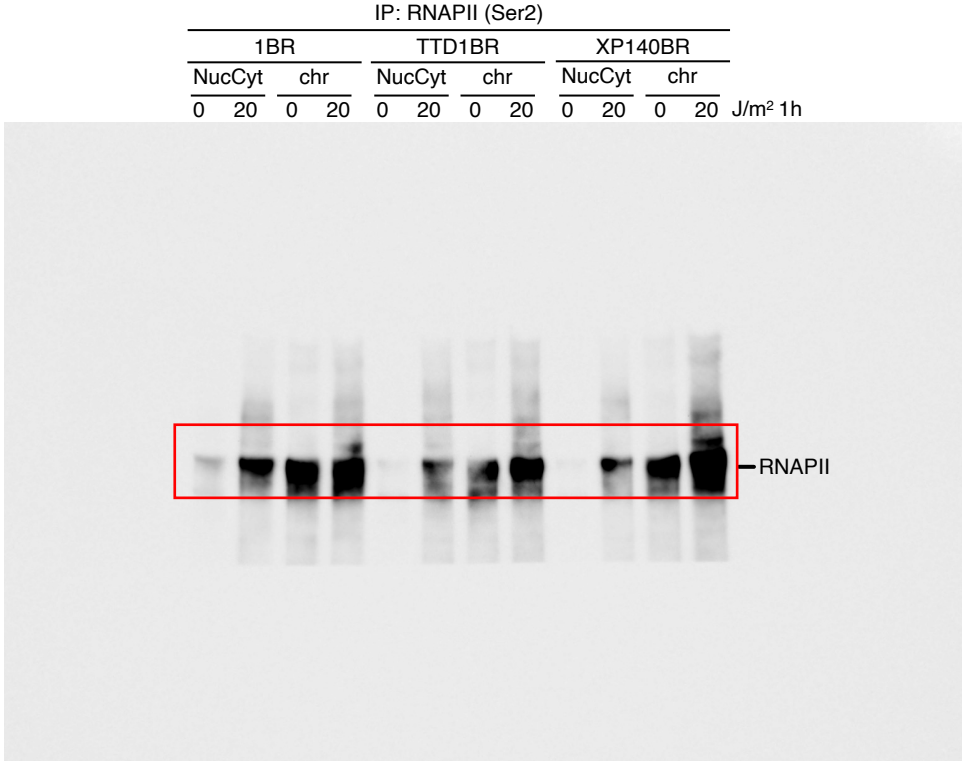


Fig3 e


IP: RNAPII (Ser2)
1BR
TTD1BR
XP140BR
NucCyt
chr
0 20 0 20 0 20 0 20 0 20 0 20 J/m² 1h
RNAPII

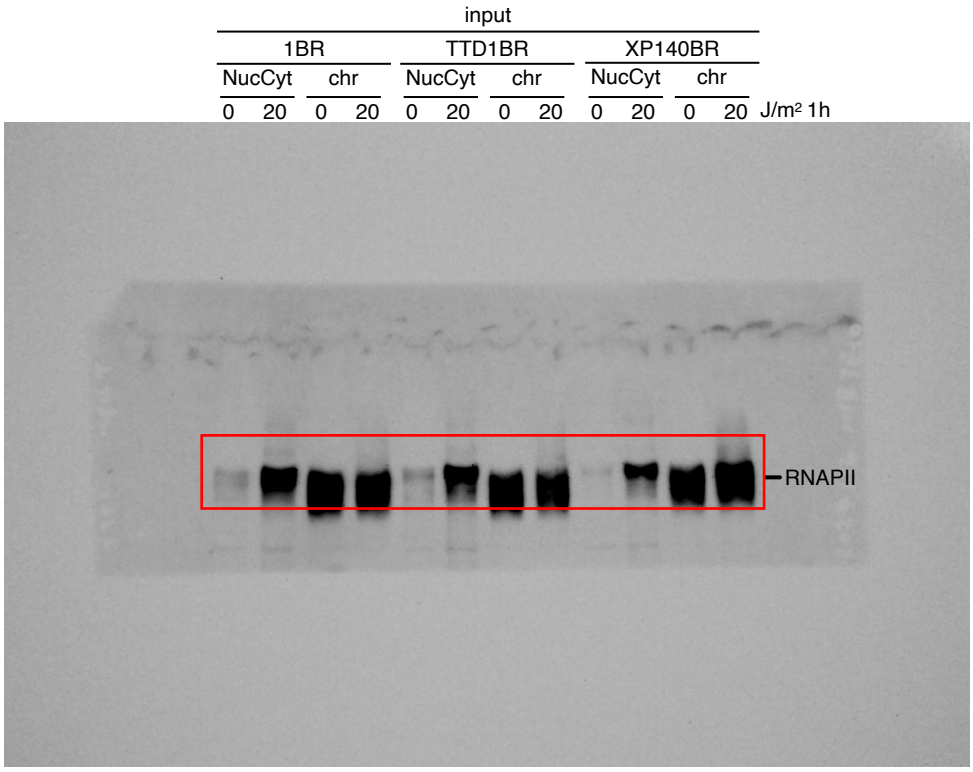
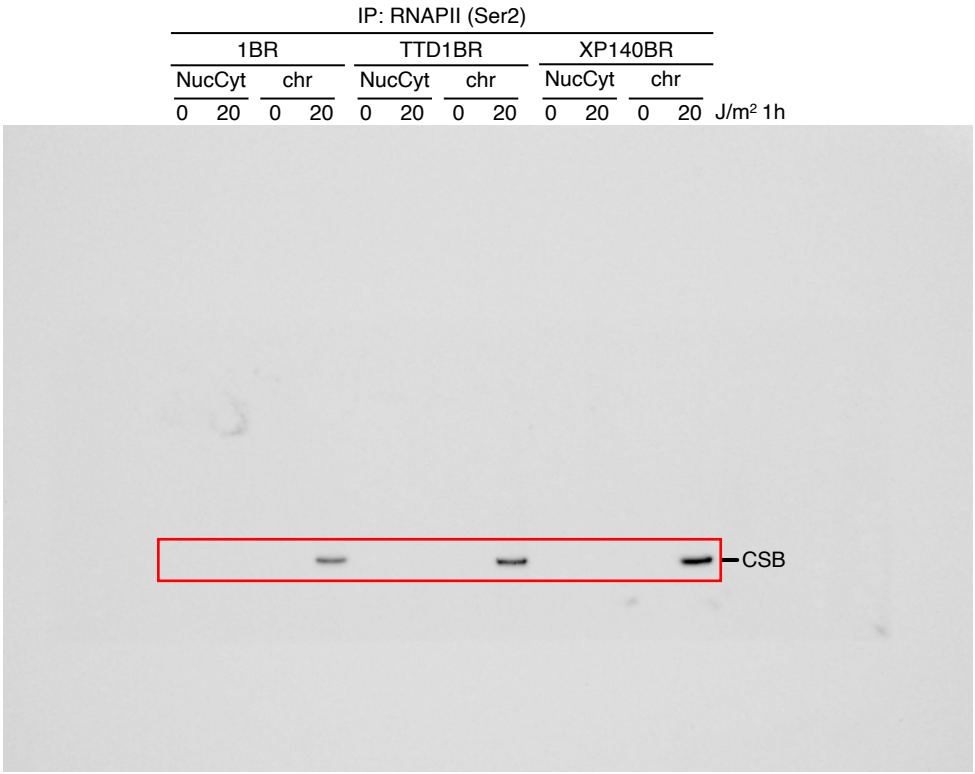

input
1BR
TTD1BR
XP140BR
NucCyt
chr
0 20 0 20 0 20 0 20 0 20 0 20 J/m² 1h
RNAPII

Fig3 e


IP: RNAPII (Ser2)
1BR
TTD1BR
XP140BR
NucCyt
chr
0 20 0 20 0 20 0 20 0 20 0 20 J/m² 1h
CSB

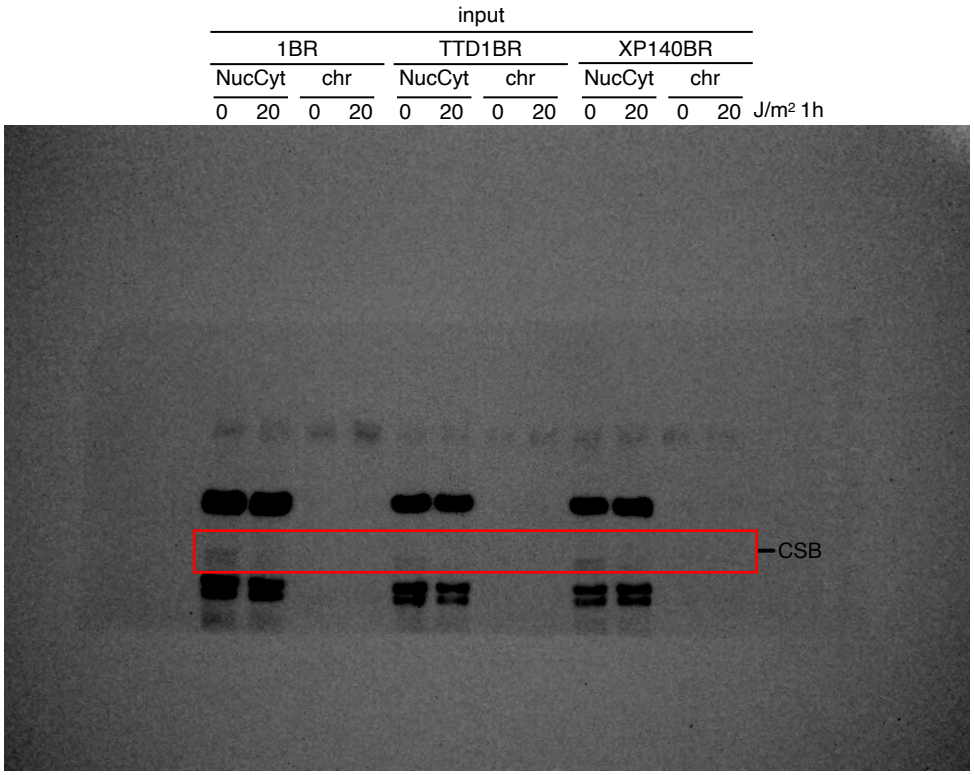
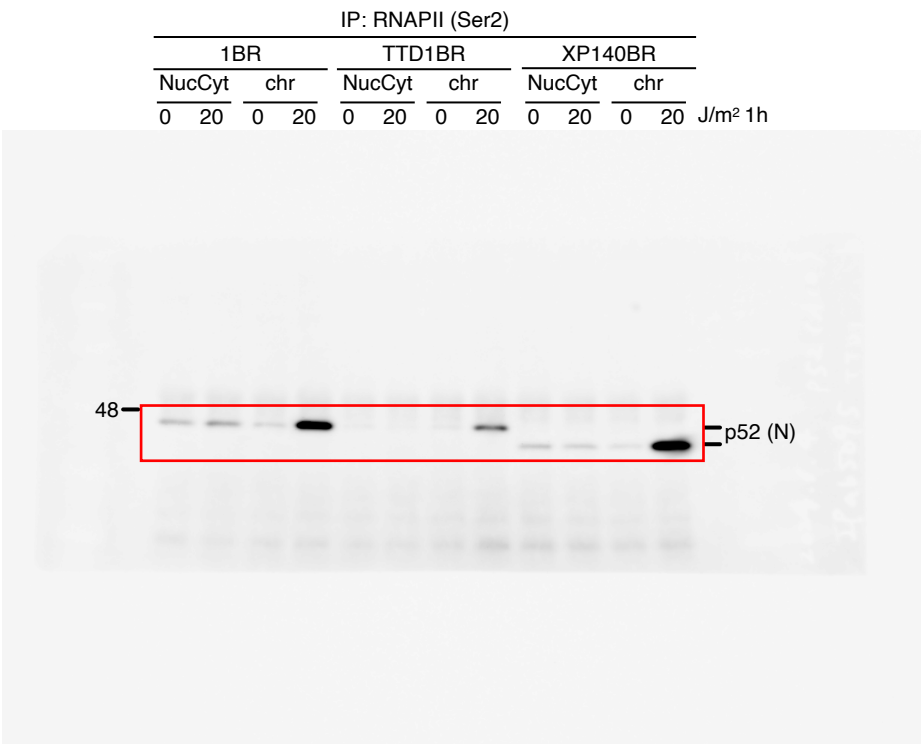

input
1BR
TTD1BR
XP140BR
NucCyt
chr
0 20 0 20 0 20 0 20 0 20 0 20 J/m² 1h
CSB

Fig3 e


IP: RNAPII (Ser2)
1BR
TTD1BR
XP140BR
NucCyt
chr
NucCyt
chr
NucCyt
chr
0 20 0 20 0 20 0 20 0 20 0 20 J/m² 1h
48
p52 (N)

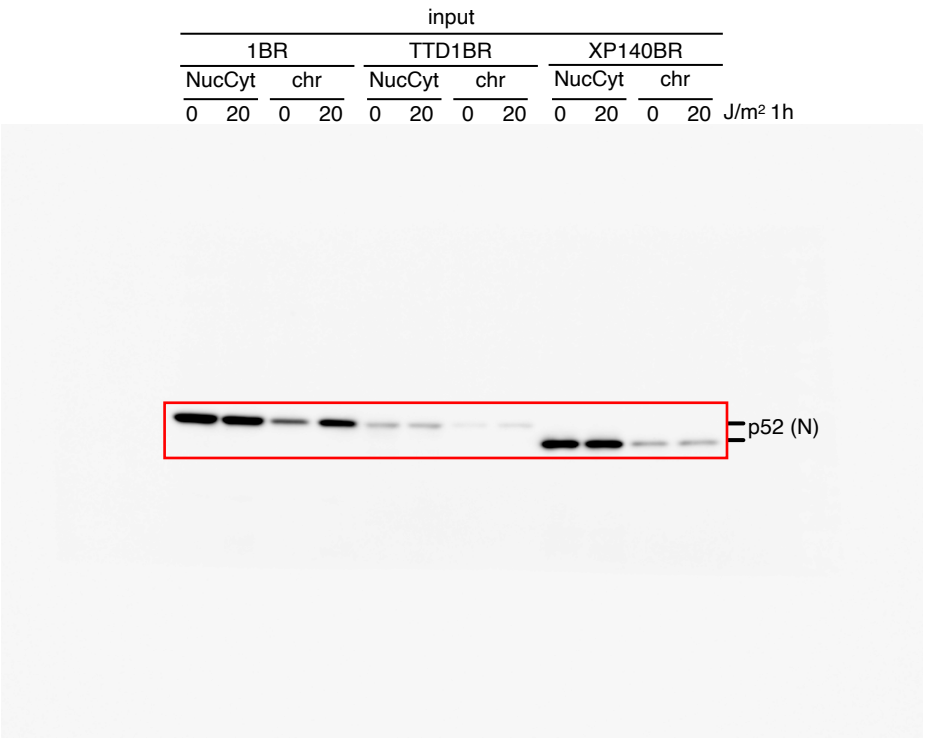
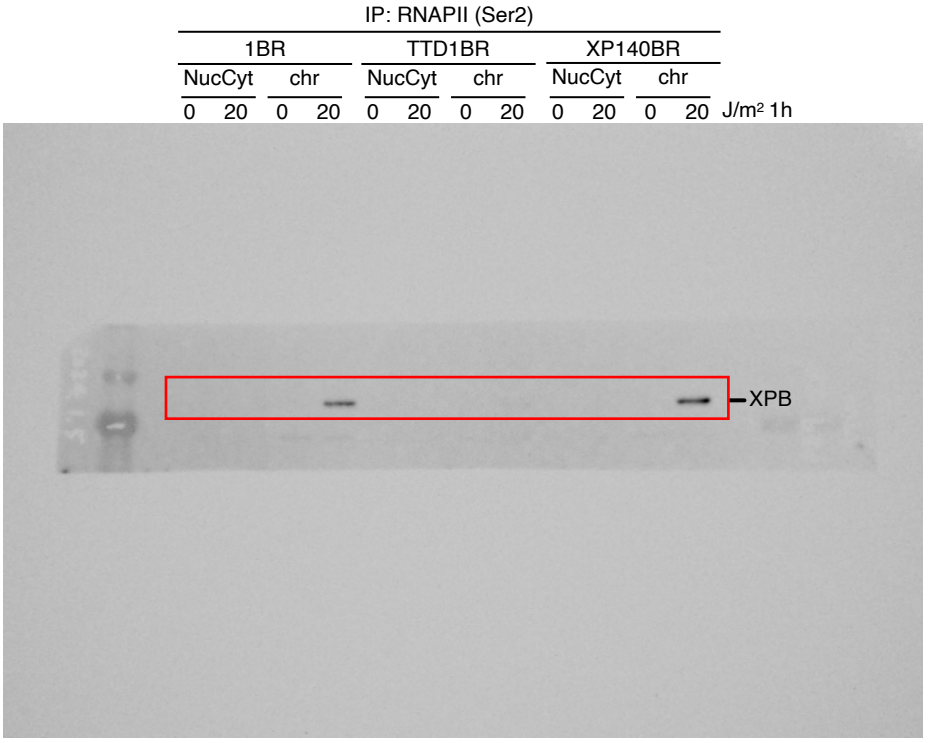

input
1BR
TTD1BR
XP140BR
NucCyt
chr
NucCyt
chr
NucCyt
chr
0 20 0 20 0 20 0 20 0 20 0 20 J/m² 1h
p52 (N)

Fig3 e


IP: RNAPII (Ser2)
1BR
TTD1BR
XP140BR
NucCyt
chr
0 20 0 20 0 20 0 20 0 20 0 20 J/m² 1h
XPB

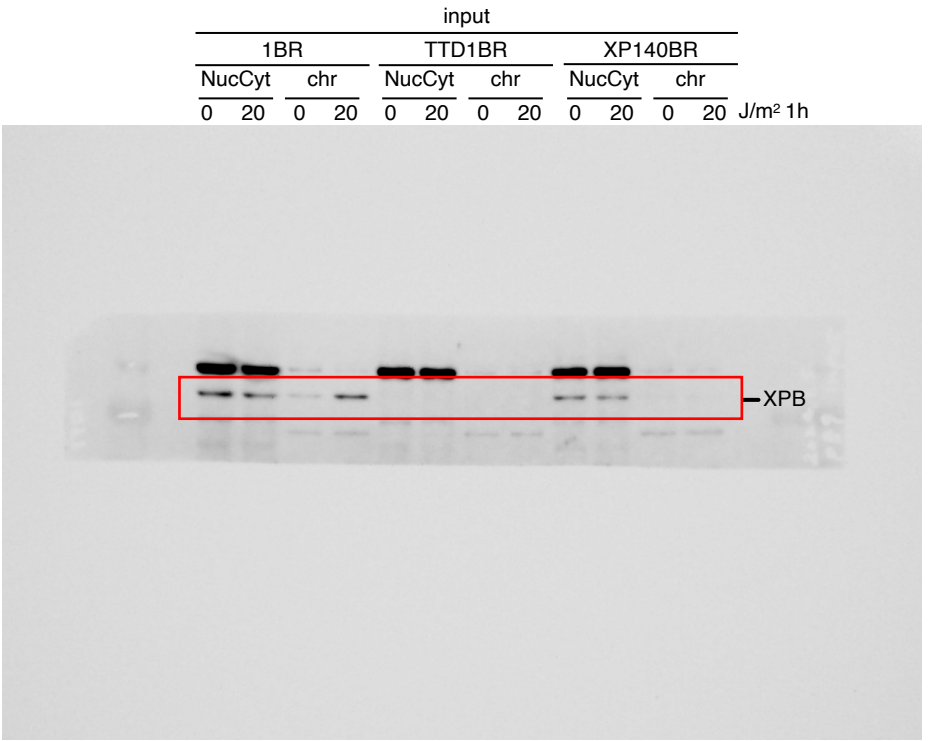
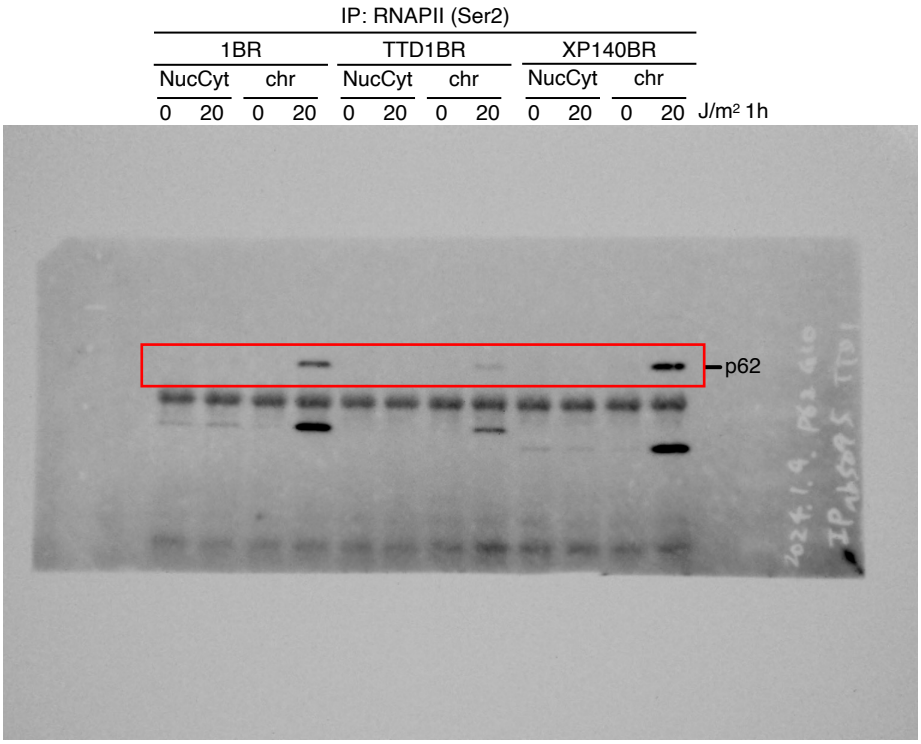

input
1BR
TTD1BR
XP140BR
NucCyt
chr
0 20 0 20 0 20 0 20 0 20 0 20 J/m² 1h
XPB

Fig3 e


IP: RNAPII (Ser2)
1BR
TTD1BR
XP140BR
NucCyt
chr
0 20 0 20 0 20 0 20 0 20 0 20 J/m² 1h
p62

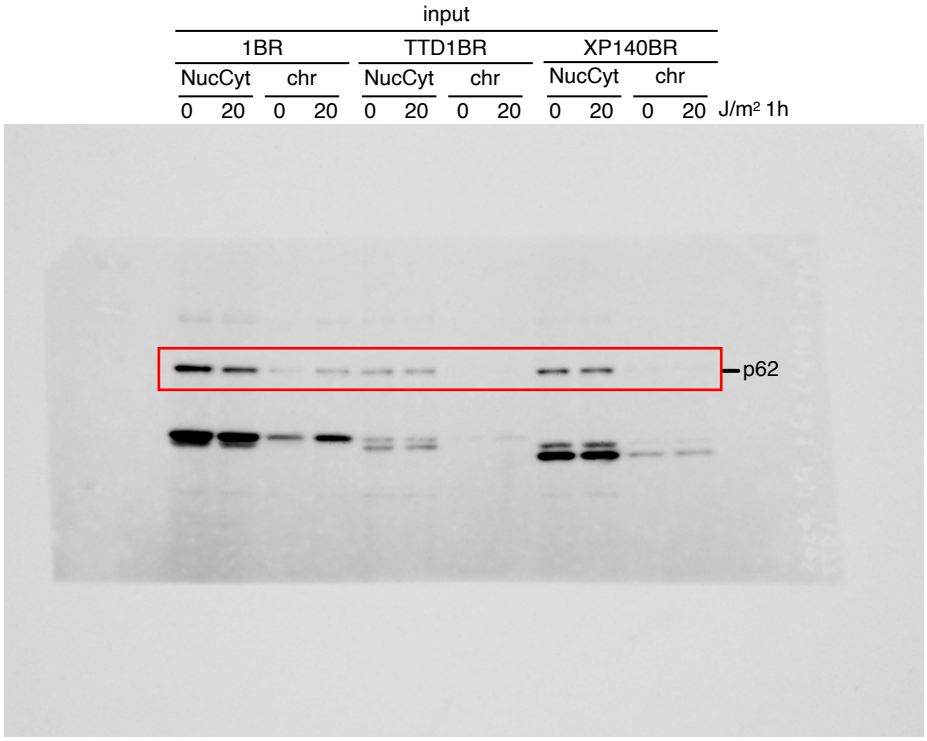
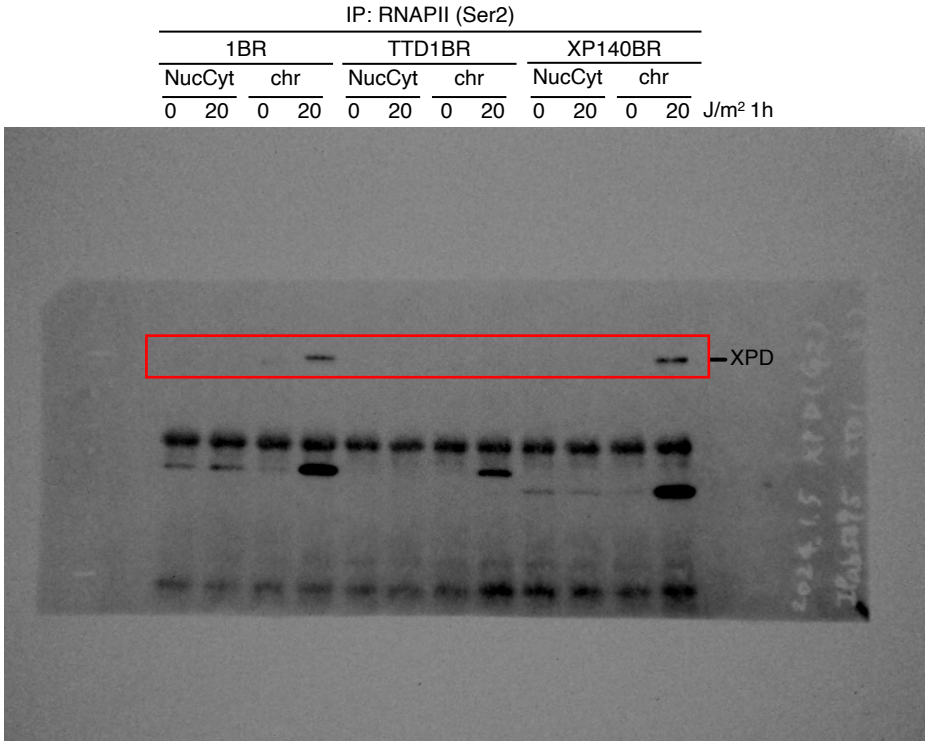

input
1BR
TTD1BR
XP140BR
NucCyt
chr
0 20 0 20 0 20 0 20 0 20 0 20 J/m² 1h
p62

Fig3 e


IP: RNAPII (Ser2)
1BR
TTD1BR
XP140BR
NucCyt
chr
NucCyt
chr
NucCyt
chr
0 20 0 20 0 20 0 20 0 20 0 20 J/m² 1h
XPD

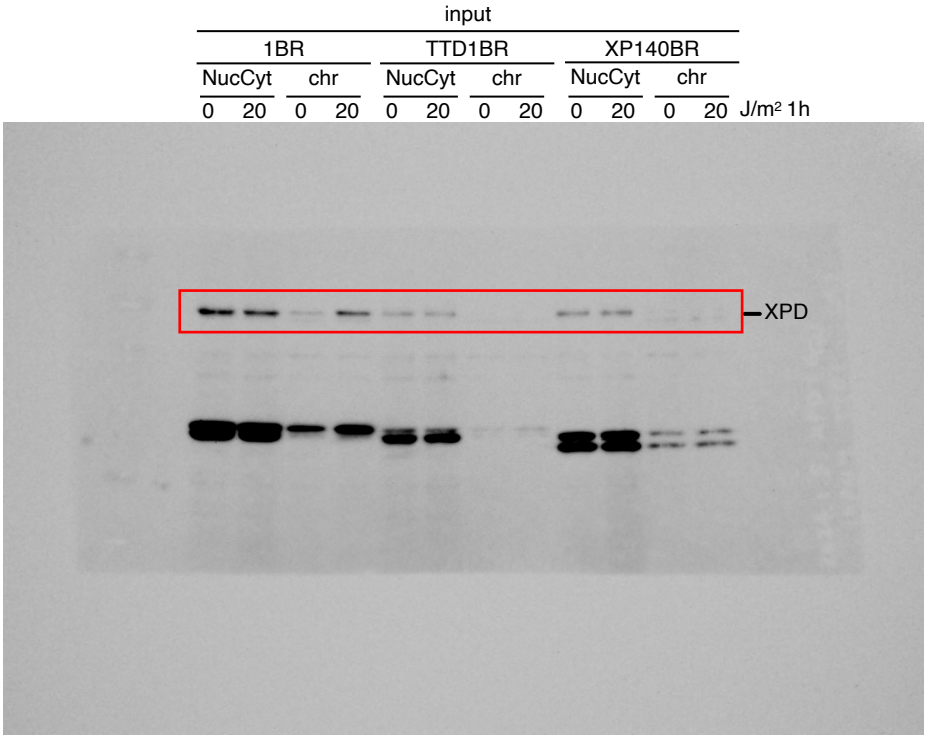
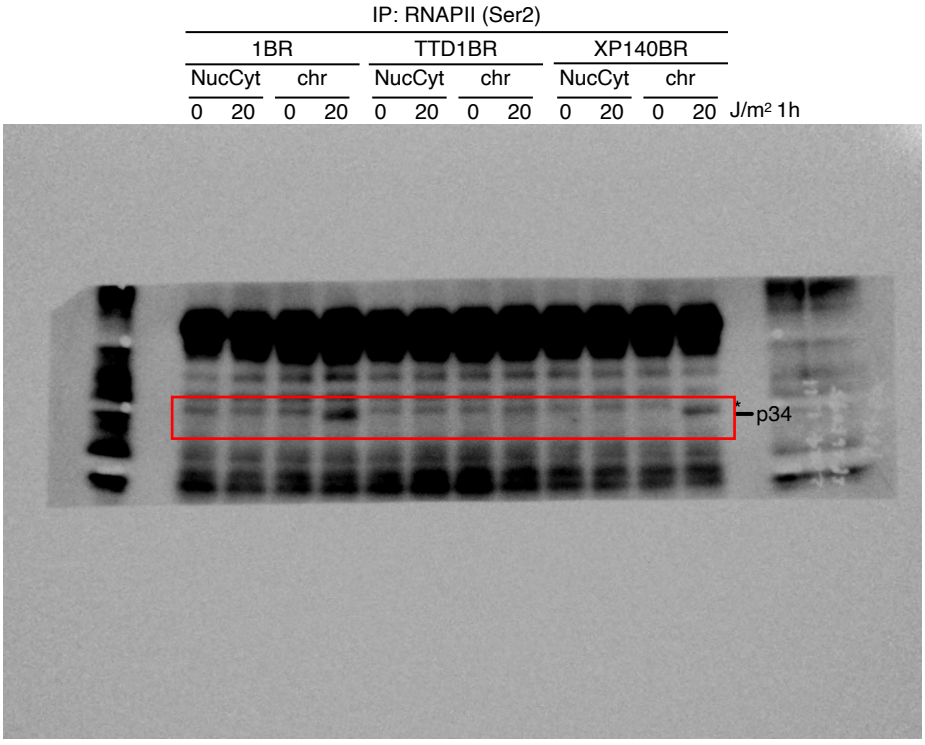

input
1BR
TTD1BR
XP140BR
NucCyt
chr
NucCyt
chr
NucCyt
chr
0 20 0 20 0 20 0 20 0 20 0 20 J/m² 1h
XPD

Fig3 e


IP: RNAPII (Ser2)
1BR
TTD1BR
XP140BR
NucCyt
chr
0 20 0 20 0 20 0 20 0 20 0 20 J/m² 1h
*p34

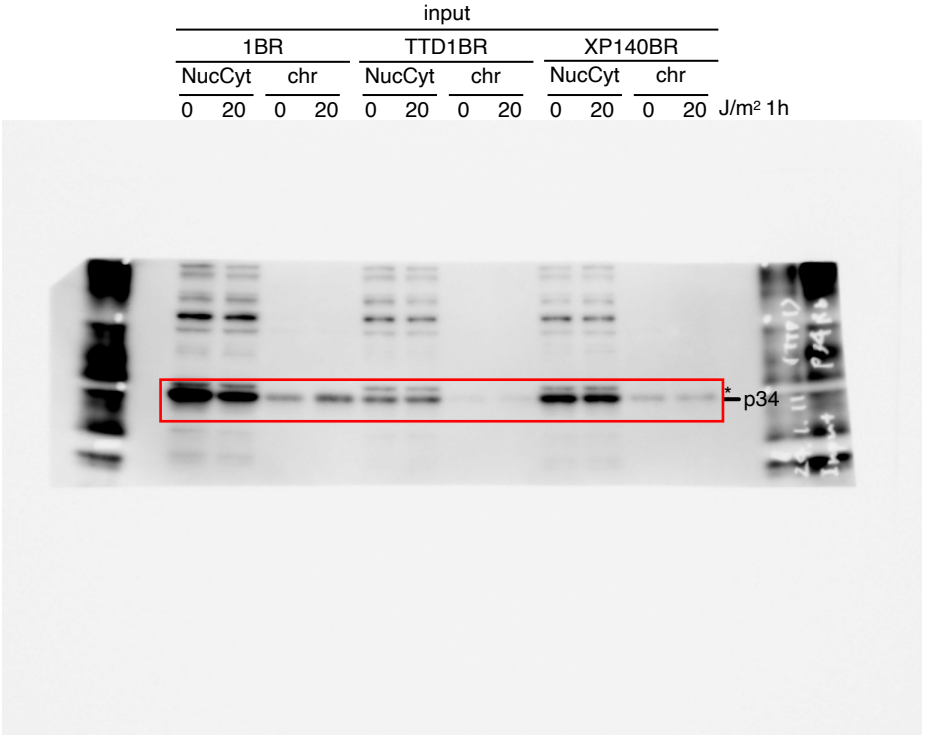
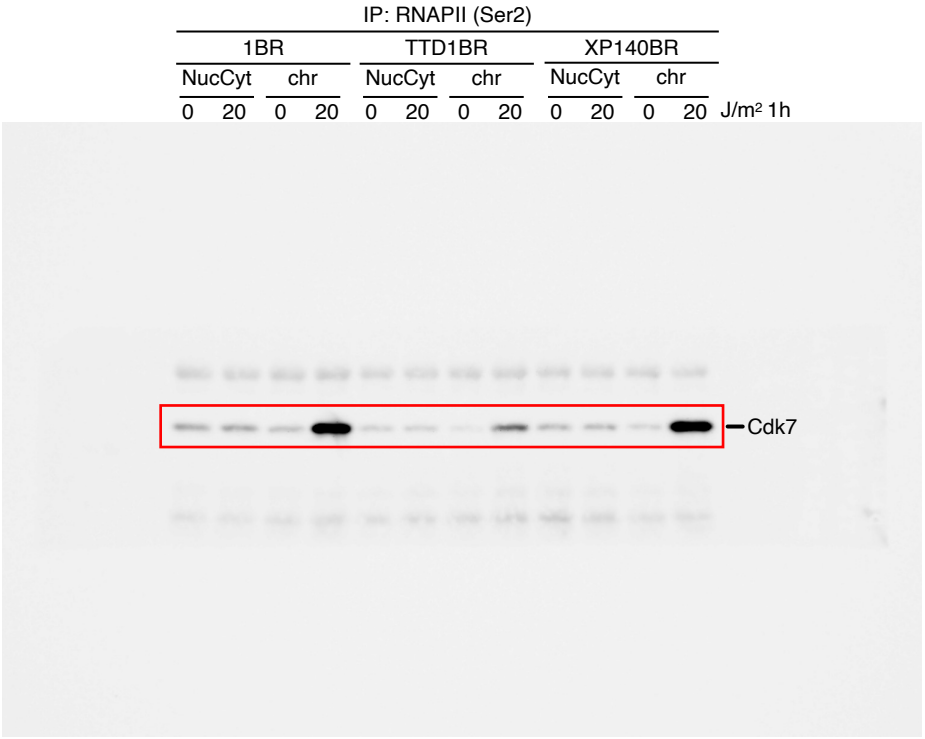

input
1BR
TTD1BR
XP140BR
NucCyt
chr
0 20 0 20 0 20 0 20 0 20 0 20 J/m² 1h
*p34

Fig3 e


IP: RNAPII (Ser2)
1BR
TTD1BR
XP140BR
NucCyt
chr
0 20 0 20 0 20 0 20 0 20 0 20 J/m² 1h
Cdk7

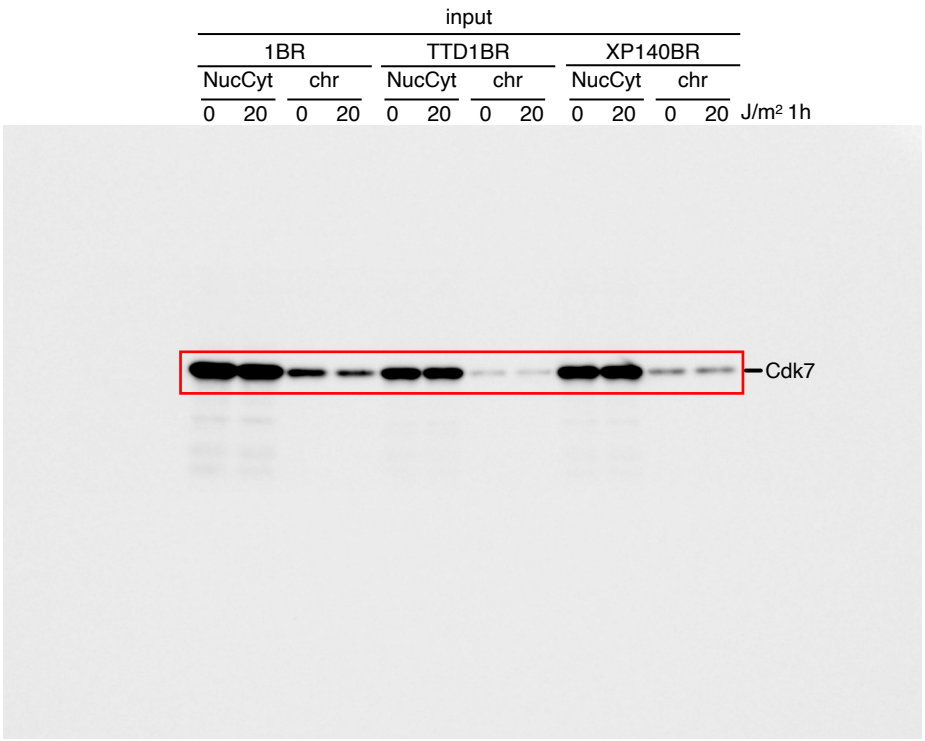
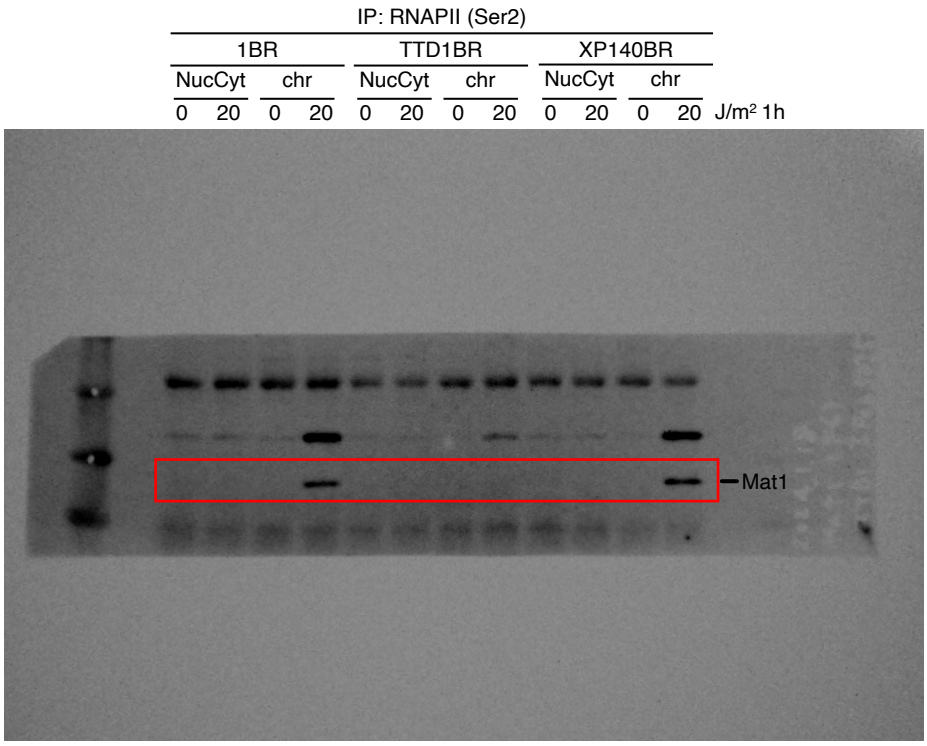

input
1BR
TTD1BR
XP140BR
NucCyt
chr
0 20 0 20 0 20 0 20 0 20 0 20 J/m² 1h
Cdk7

Fig3 e


IP: RNAPII (Ser2)
1BR
TTD1BR
XP140BR
NucCyt
chr
0 20 0 20 0 20 0 20 0 20 0 20 J/m² 1h
Mat1

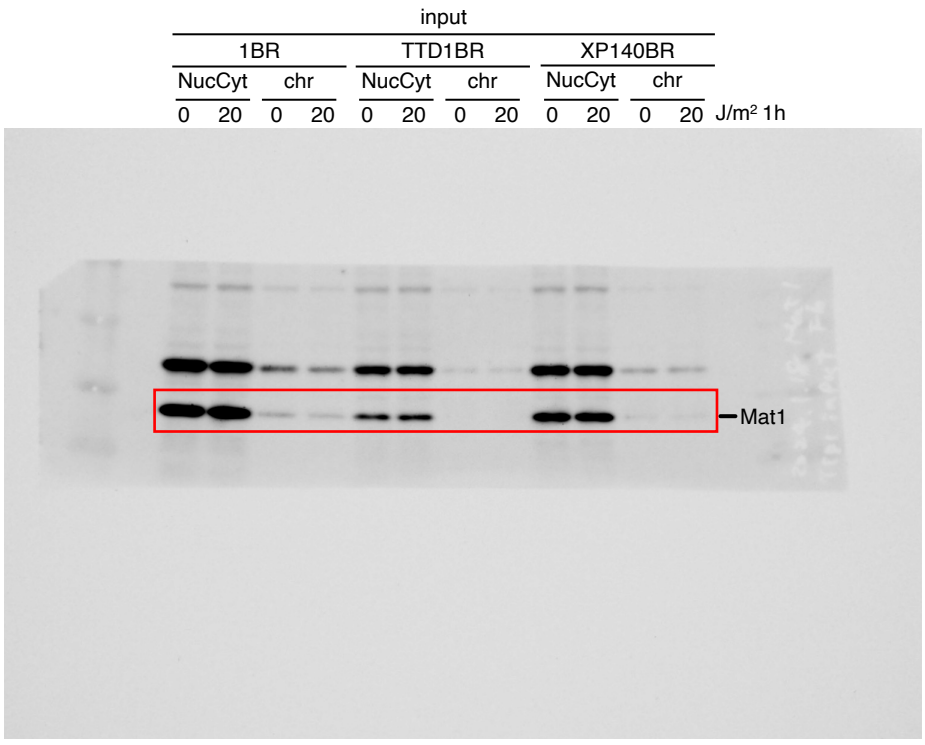

input
1BR
TTD1BR
XP140BR
NucCyt
chr
0 20 0 20 0 20 0 20 0 20 0 20 J/m² 1h
Mat1

Fig3 e

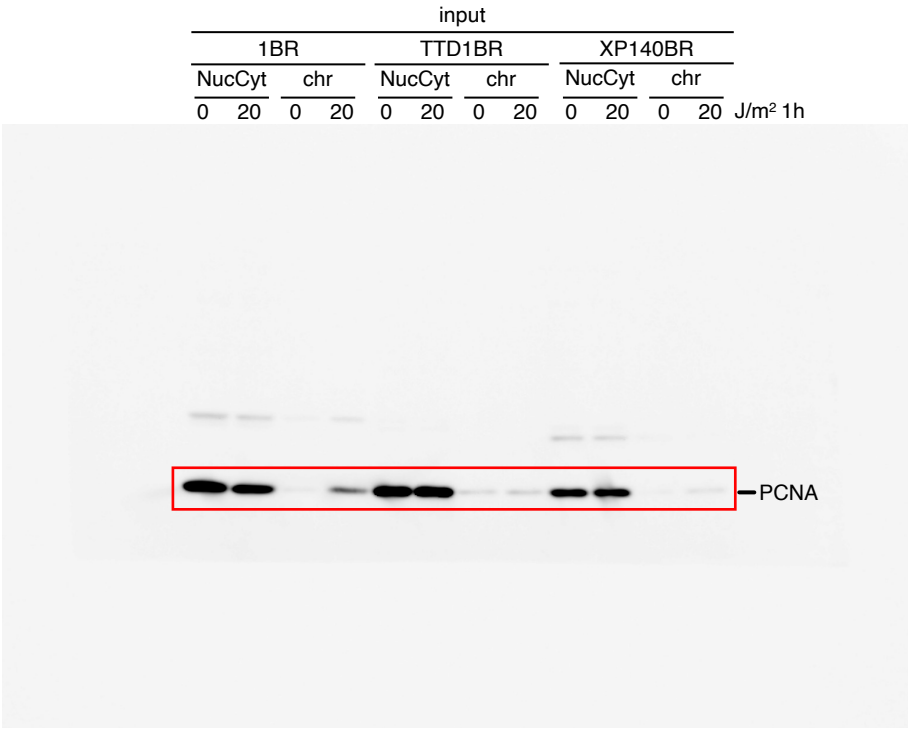
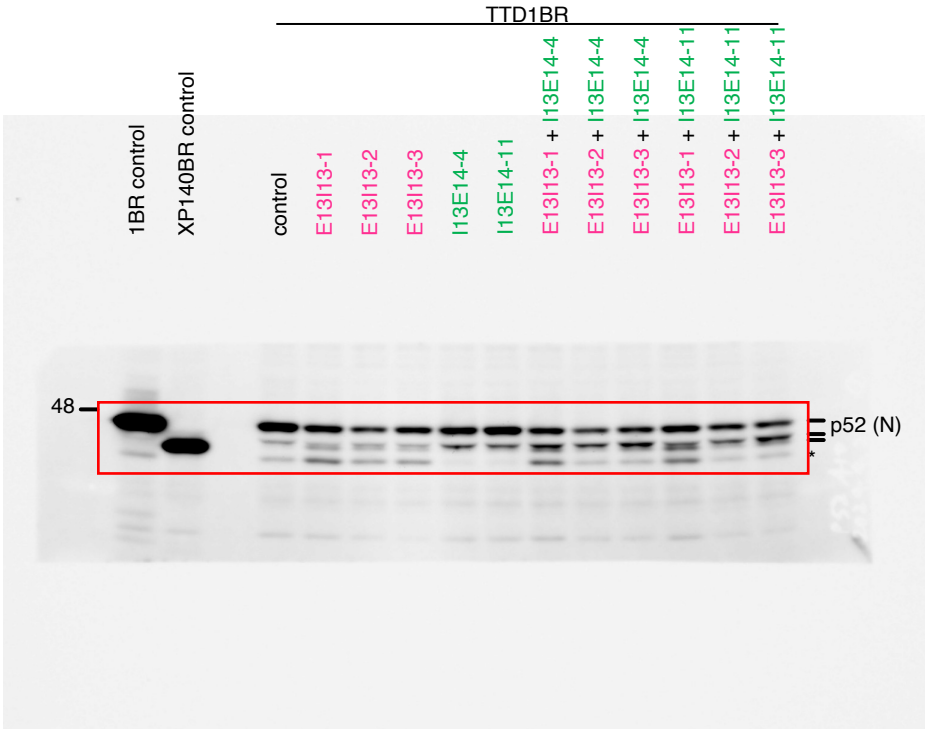
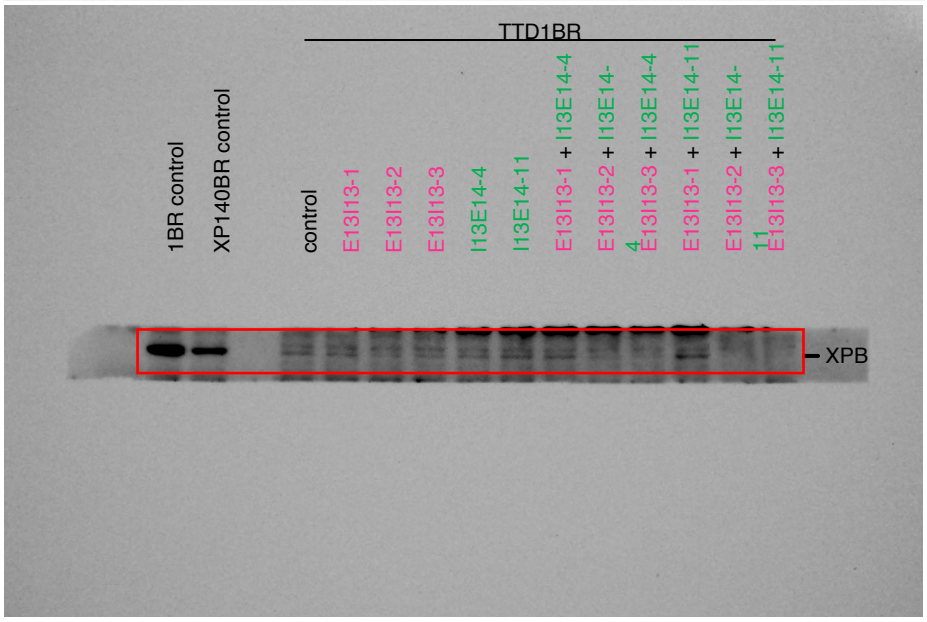

input
1BR
TTD1BR
XP140BR
NucCyt
chr
NucCyt
chr
NucCyt
chr
0 20 0 20 0 20 0 20 0 20 0 20 J/m² 1h
PCNA

Fig4 b


TTD1BR
1BR control
XP140BR control
control
E13I13-1
E13I13-2
E13I13-3
I13E14-4
I13E14-11
E13I13-1 + I13E14-4
E13I13-2 + I13E14-4
E13I13-3 + I13E14-4
E13I13-1 + I13E14-11
E13I13-2 + I13E14-11
E13I13-3 + I13E14-11
48
p52 (N)
*


TTD1BR
1BR control
XP140BR control
control
E13I13-1
E13I13-2
E13I13-3
I13E14-4
I13E14-11
E13I13-1 + I13E14-4
E13I13-2 + I13E14-4
E13I13-3 + I13E14-4
E13I13-1 + I13E14-11
E13I13-2 + I13E14-11
E13I13-3 + I13E14-11
XPB

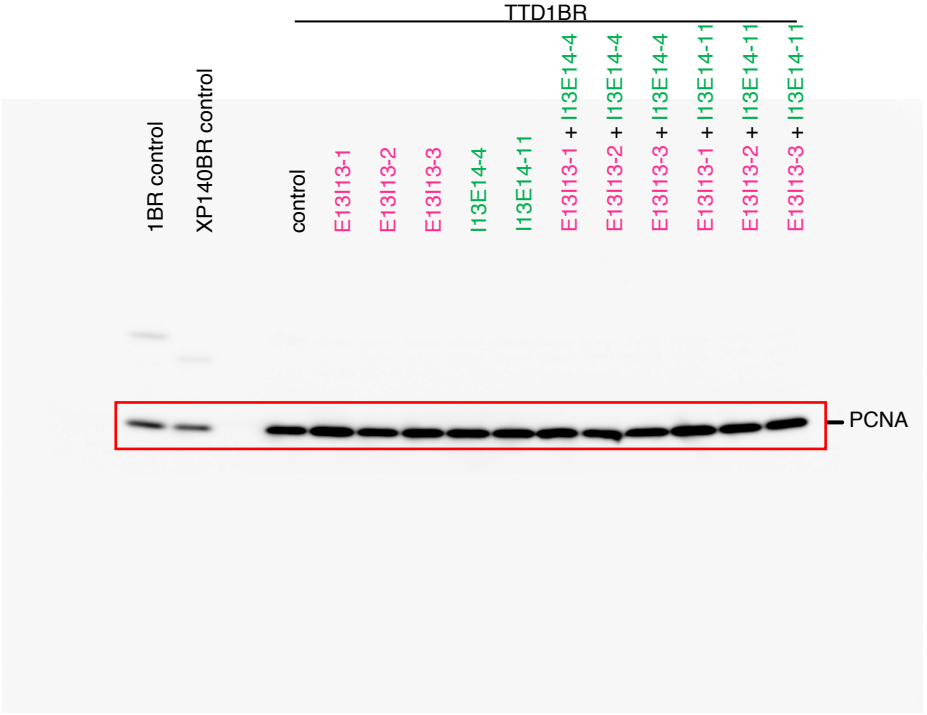
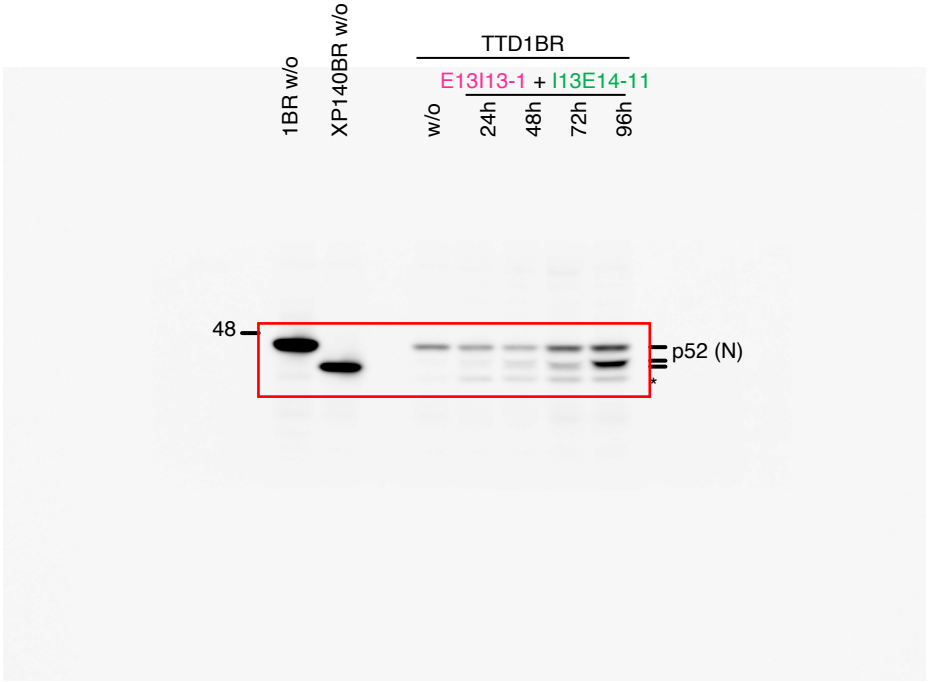
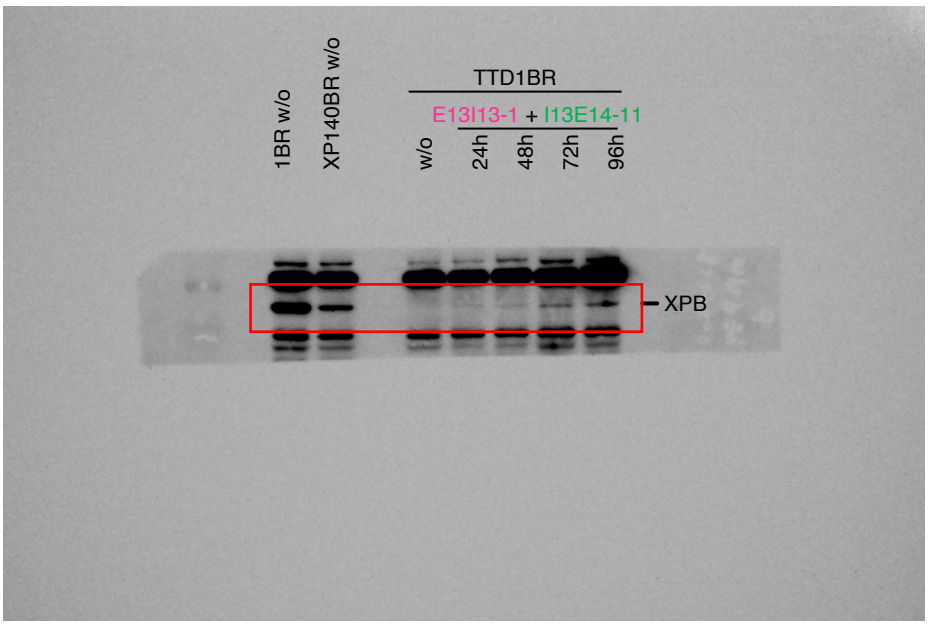

TTD1BR
1BR control
XP140BR control
control
E13I13-1
E13I13-2
E13I13-3
I13E14-4
I13E14-11
E13I13-1 + I13E14-4
E13I13-2 + I13E14-4
E13I13-3 + I13E14-4
E13I13-1 + I13E14-11
E13I13-2 + I13E14-11
E13I13-3 + I13E14-11
PCNA

Fig4 c


1BR w/o
XP140BR w/o
TTD1BR
E13I13-1 + I13E14-11
w/o
24h
48h
72h
96h
48
p52 (N)
*


1BR w/o
XP140BR w/o
TTD1BR
E13I13-1 + I13E14-11
w/o
24h
48h
72h
96h
XPB

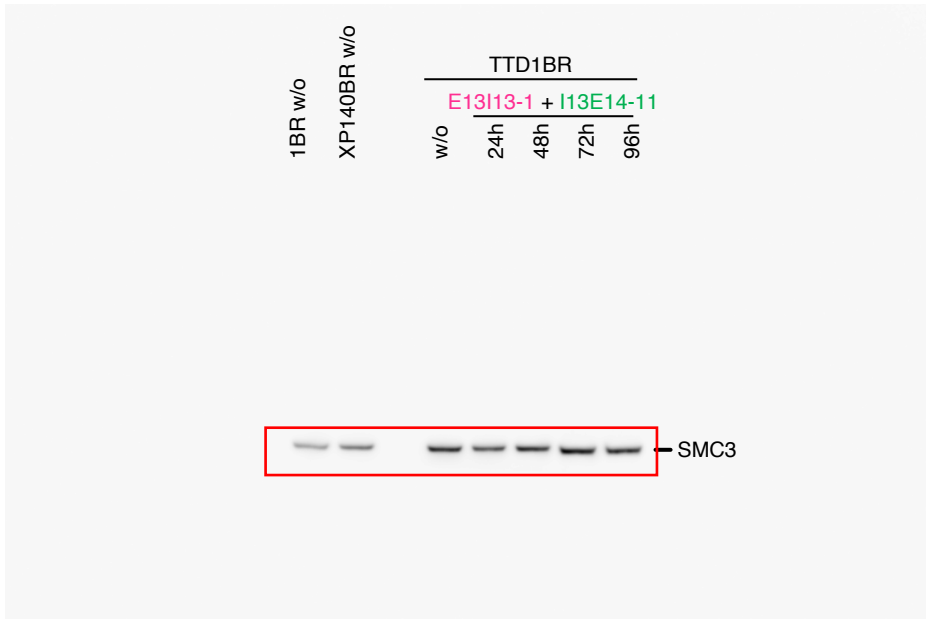
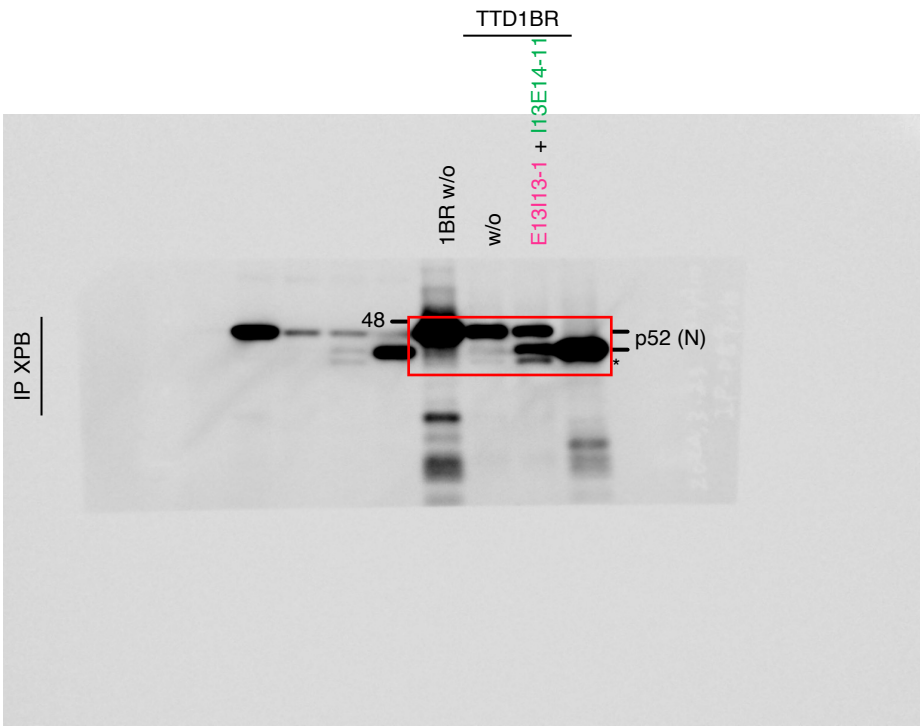

1BR w/o
XP140BR w/o
TTD1BR
E13I13-1 + I13E14-11
w/o
24h
48h
72h
96h
SMC3

Fig4 d


TTD1BR
1BR w/o
w/o
E13I13-1 + I13E14-11
IP XPB
48
p52 (N)
*

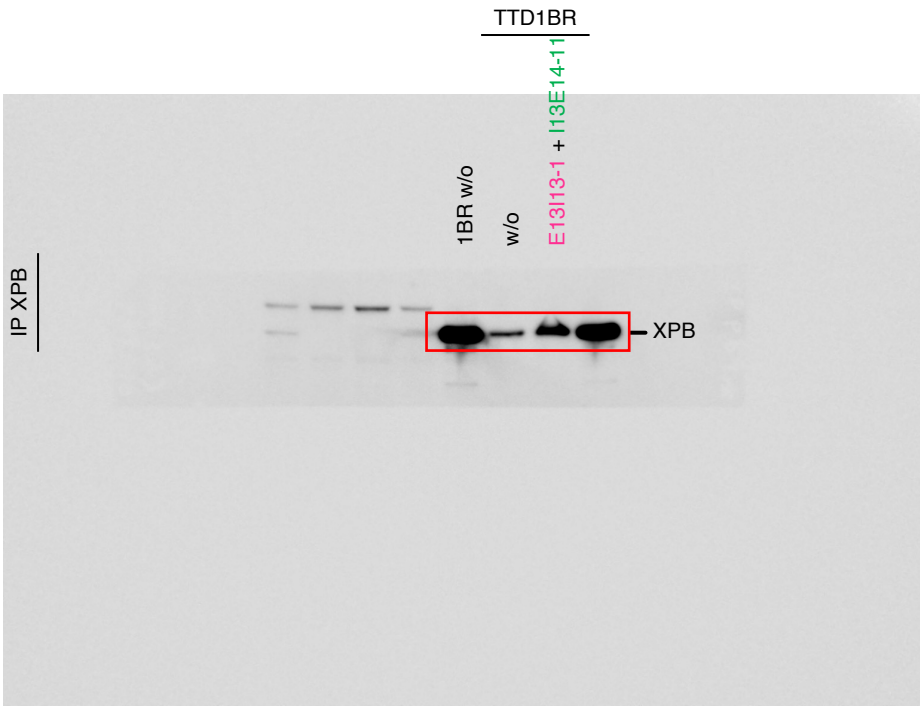
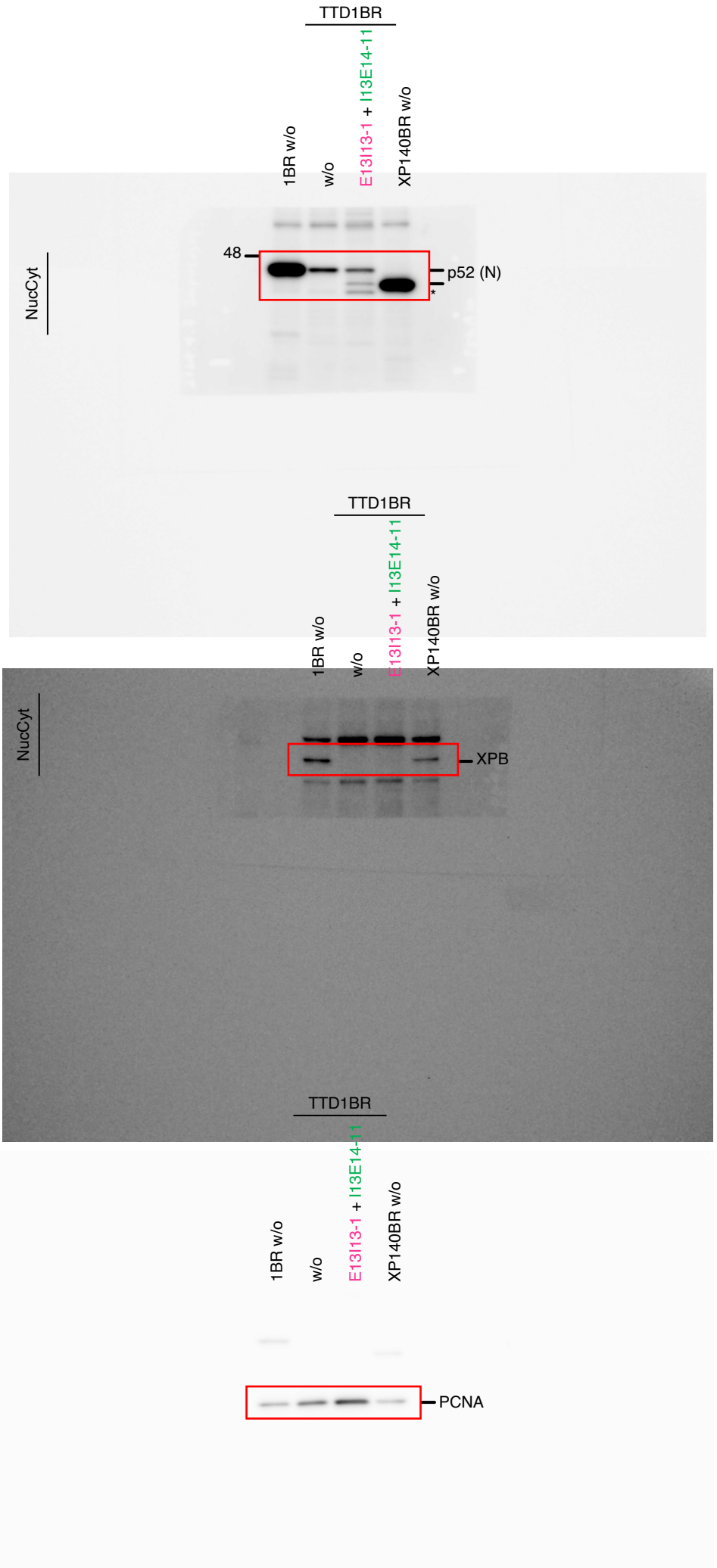

TTD1BR
1BR w/o
w/o
E13I13-1 + I13E14-11
IP XPB
XPB

Fig4 d


TTD1BR
1BR w/o
w/o
E13I13-1 + I13E14-11
XP140BR w/o
NucCyt
48
p52 (N)
*
TTD1BR
1BR w/o
w/o
E13I13-1 + I13E14-11
XP140BR w/o
NucCyt
XPB
TTD1BR
1BR w/o
w/o
E13I13-1 + I13E14-11
XP140BR w/o
PCNA