

**Fig1D**

**MMA-IP**



**GFP-IP**



**GFP-Input**



**ACTIN-Input**



**Fig1E**

**MMA-IP**



**FBXO7-IP**



**FBXO7-Input**



**ACTIN-Input**

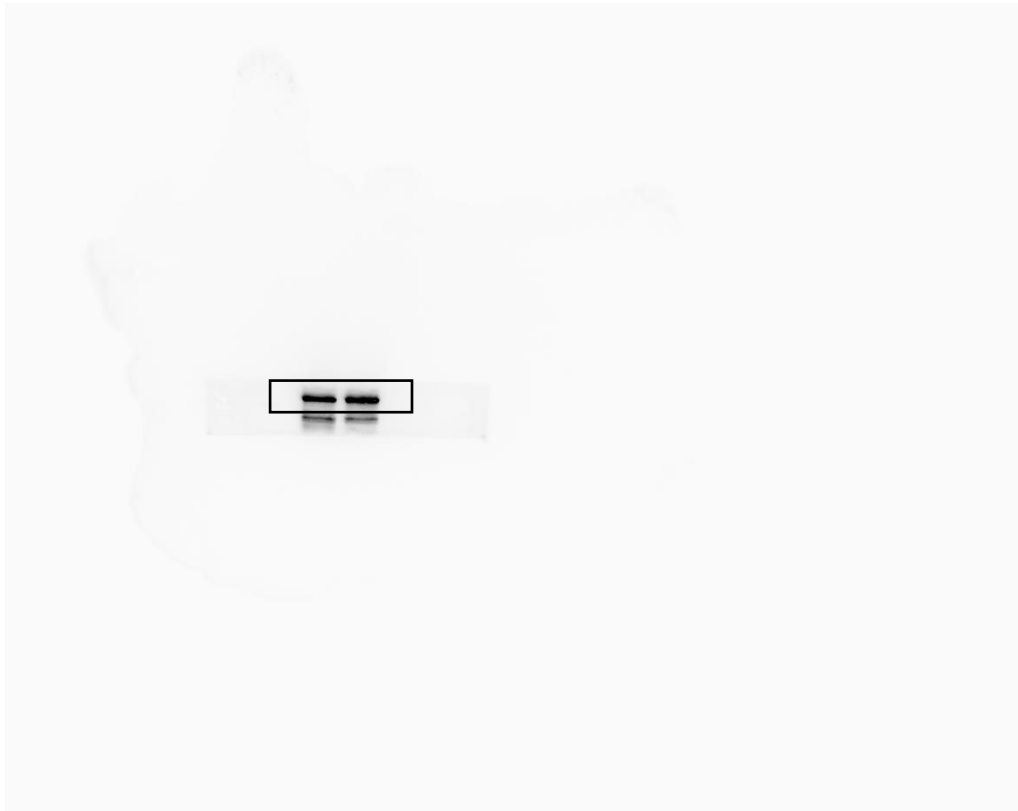


**Fig1F**

**FBXO7<sup>me</sup>-IP**



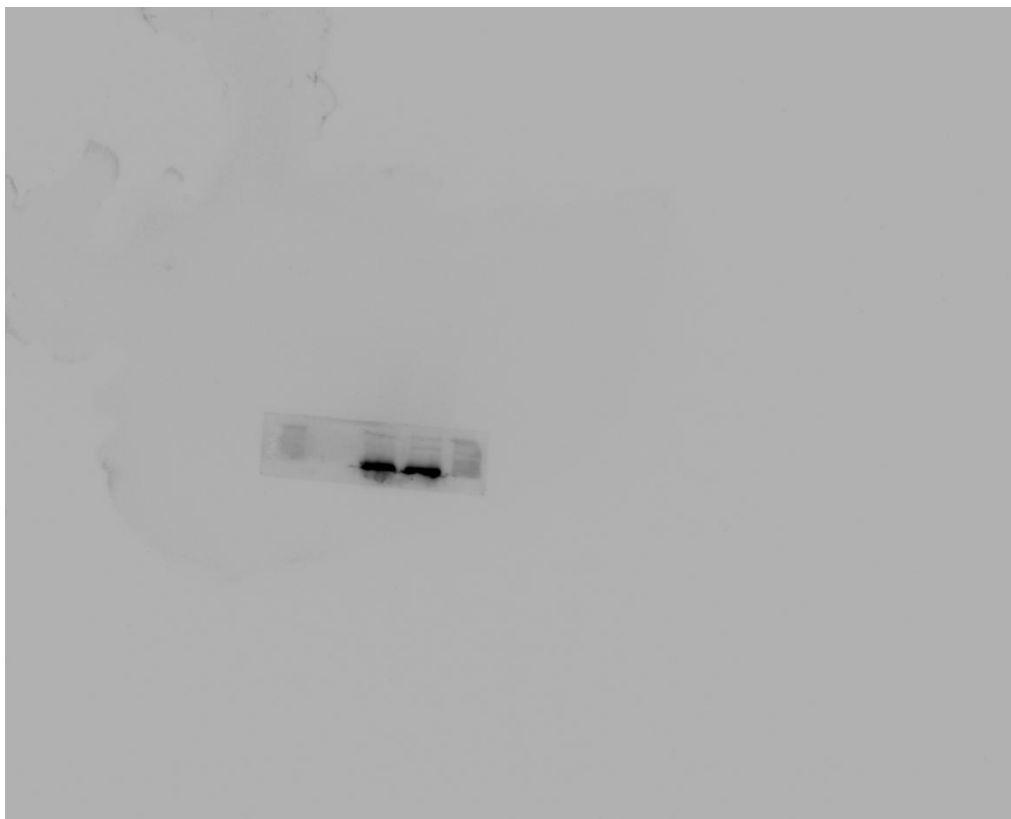
**FBXO7-IP**



**FBXO7-Input**

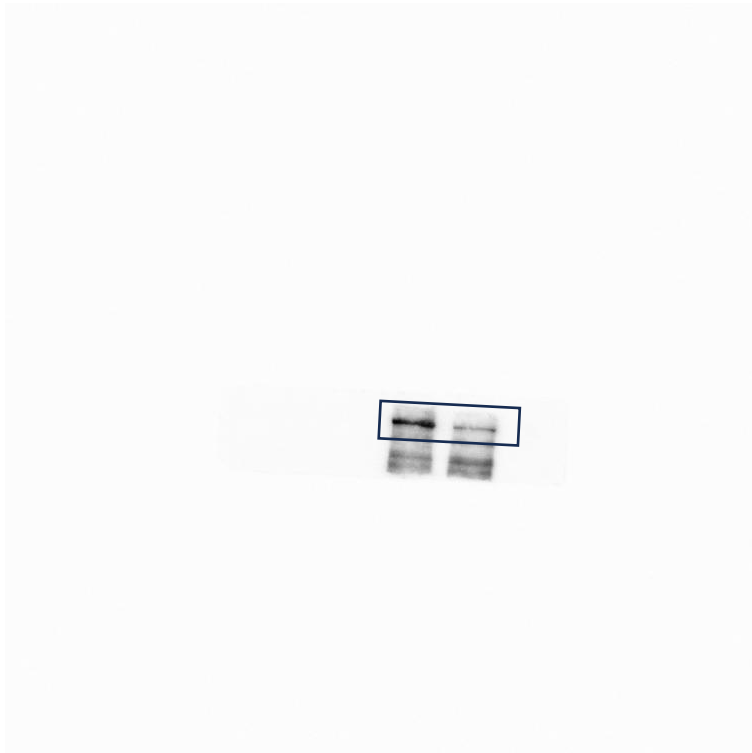


**ACTIN-Input**



**Fig1G**

**FBXO7<sup>me</sup>-IP**



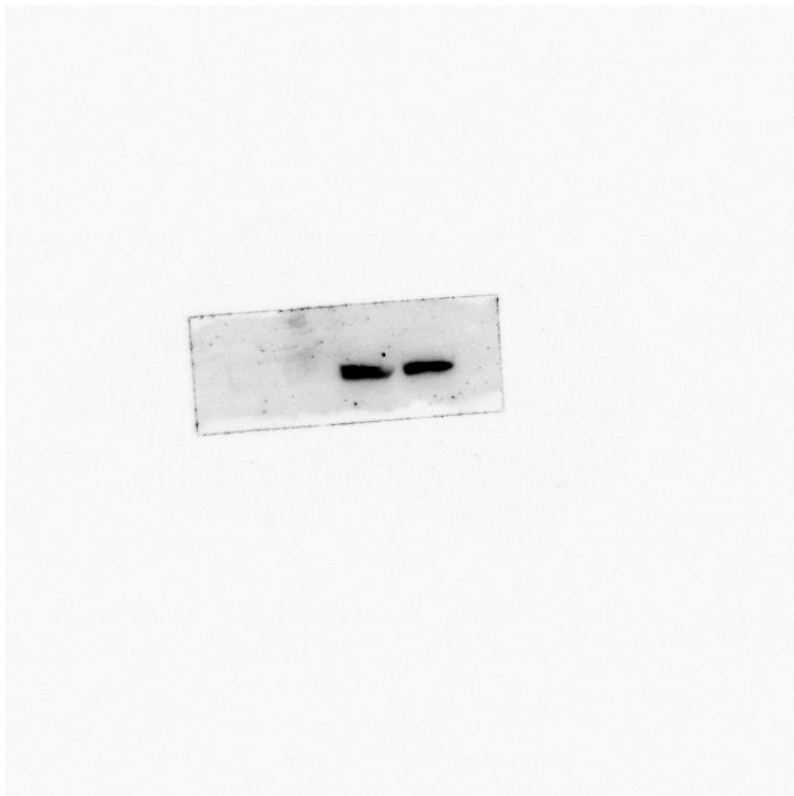
**FBXO7-IP**



**FBXO7-Input**



**ACTIN-Input**

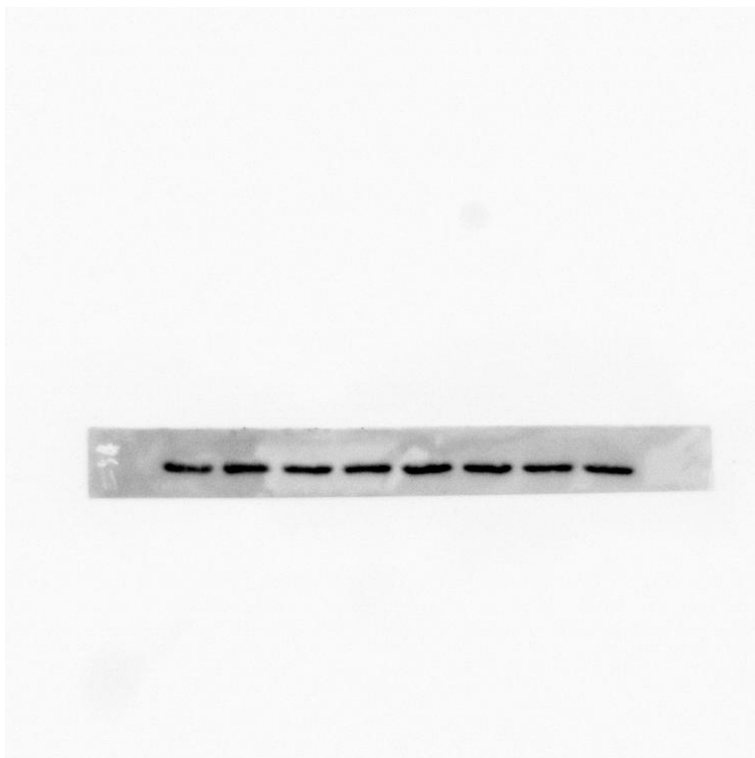


**Fig3A**

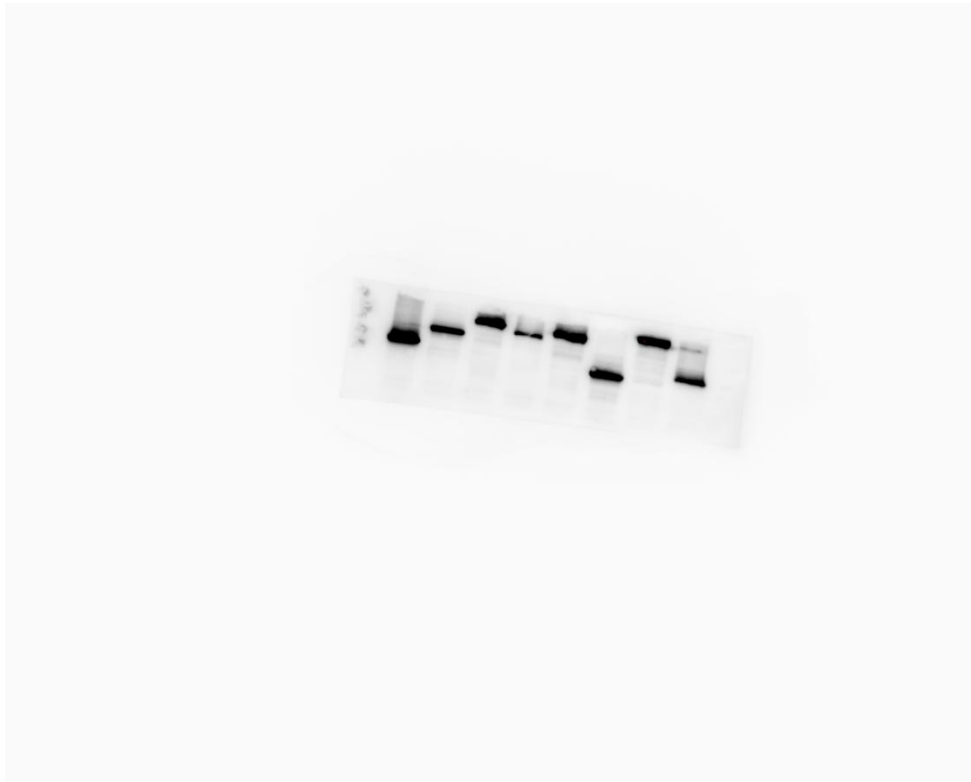
**HA-IP**



**GFP-IP**



## HA-Input



## GFP-Input



**Fig3B**

**HA-IP**



**GFP-IP**



**HA-Input**



**GFP-Input**



**GADPH-Input**



**Fig3C**

**PRMT2**



**FBXO7**



**PRMT2**

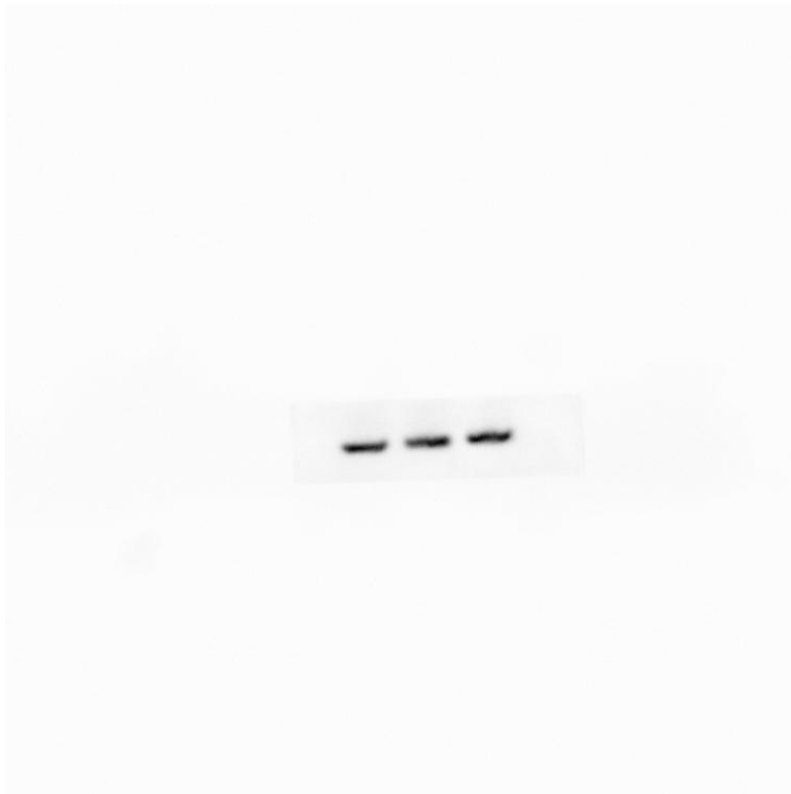


**FBXO7**



**Fig3D**

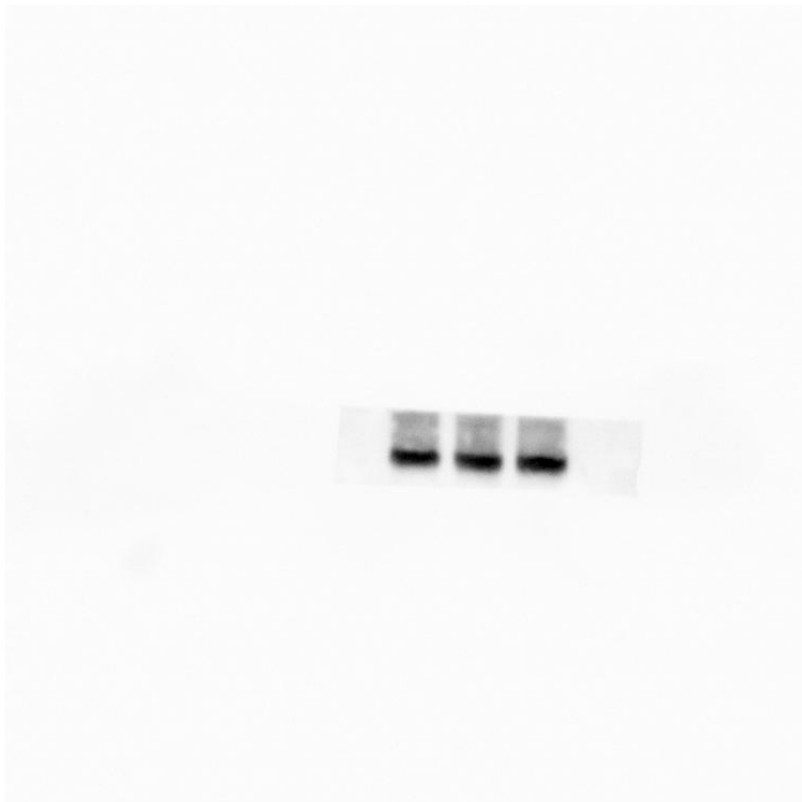
**GFP-IP**



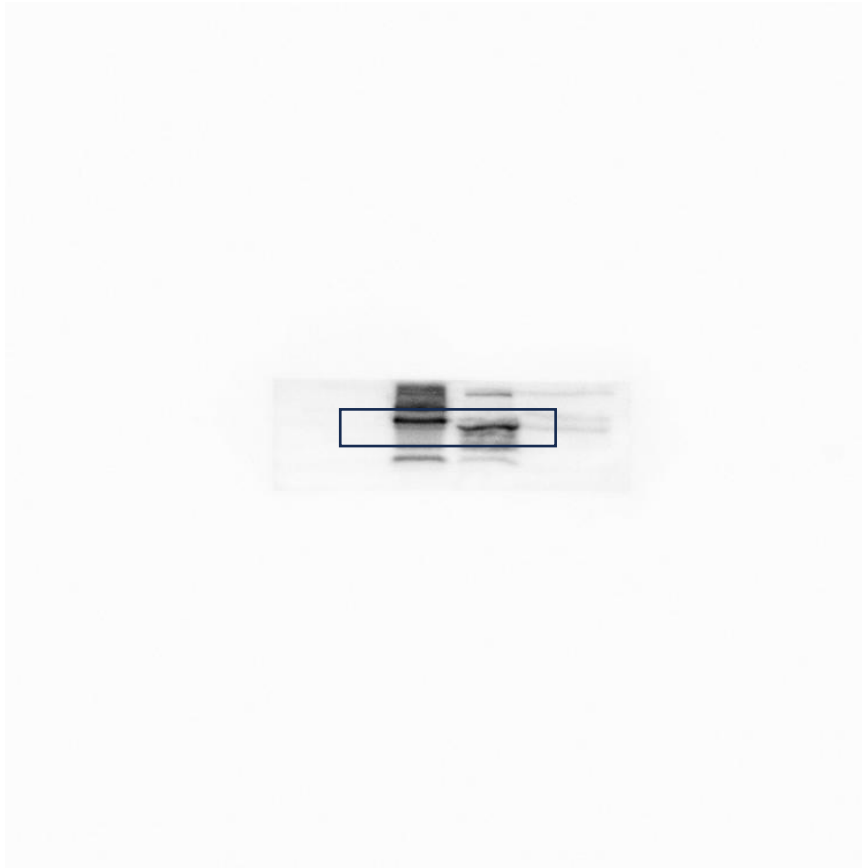
## HA-IP



## GFP-Input



**HA-Input**



**GAPDH-Input**



**Fig3E**

**MMA-IP**



**GFP-IP**



**GFP-Input**



**ACTIN-Input**



**Fig3F**

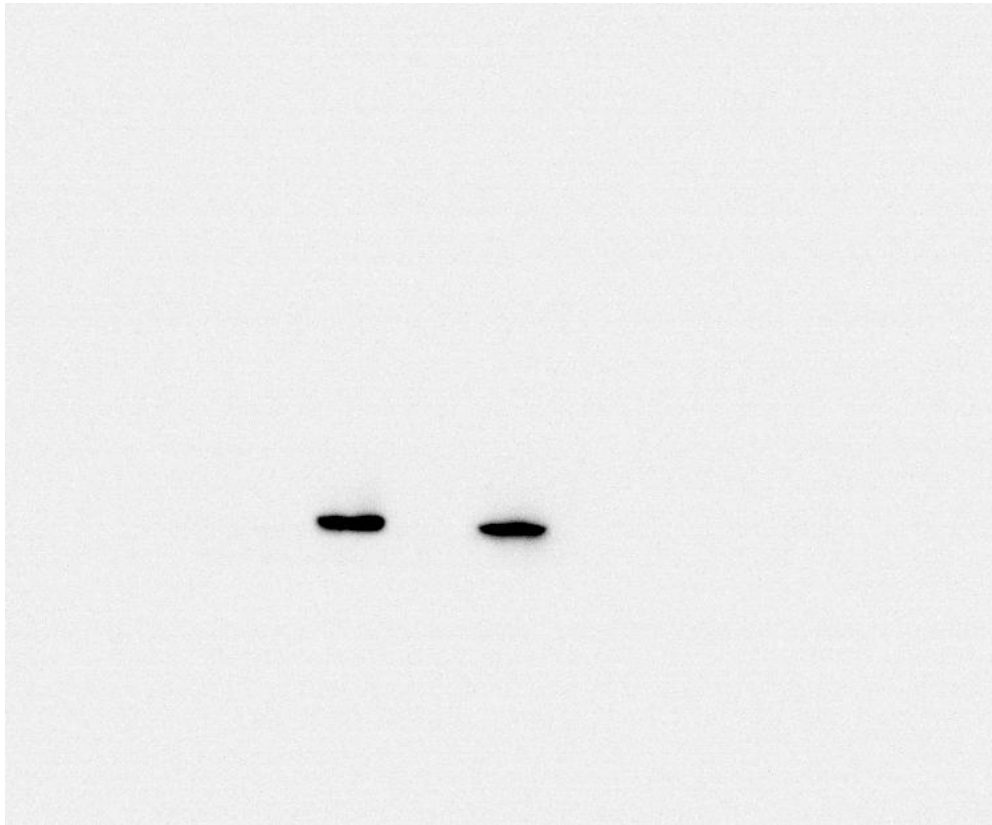
**MMA-IP**



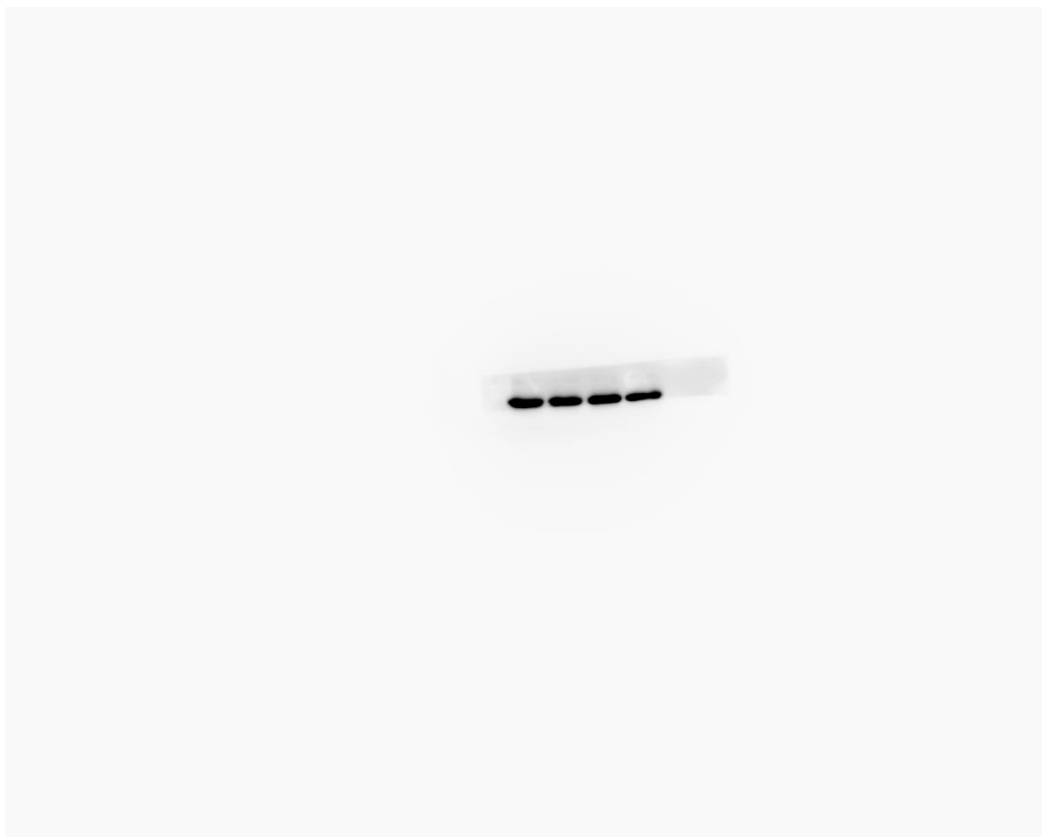
**GFP-IP**



**HA-Input**



**GFP-Input**



**ACTIN-Input**

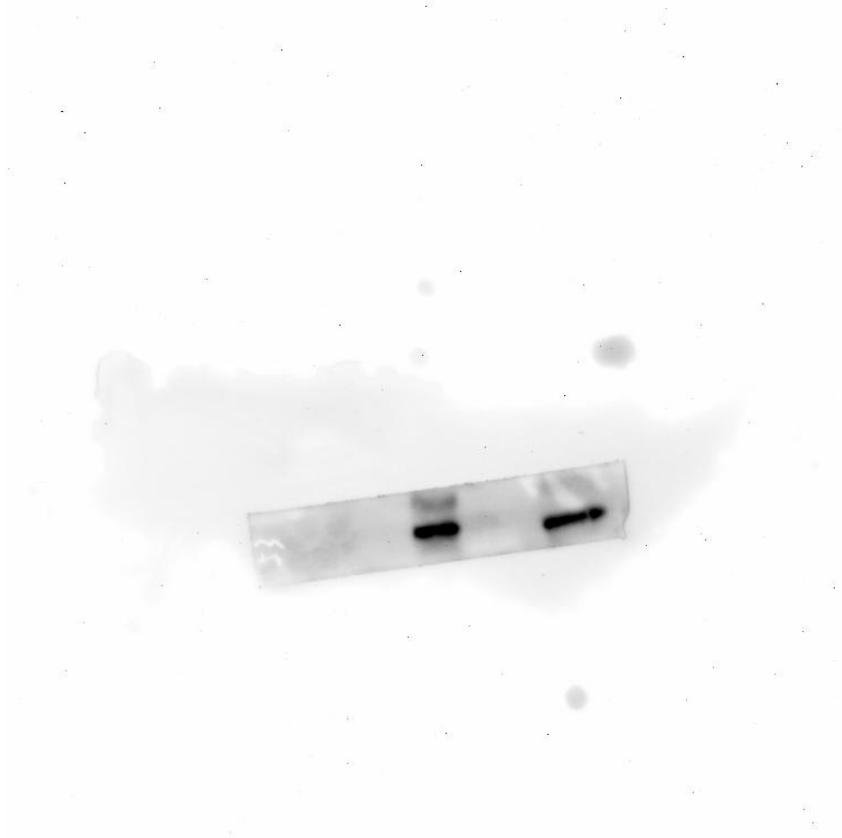


**Fig4B**

**MED12**



**FBXO7**



**MED12**



**FBXO7**



**Fig4C**

**Flag-IP**



## GFP-IP



## Flag-Input



**GFP-Input**



**GAPDH-Input**

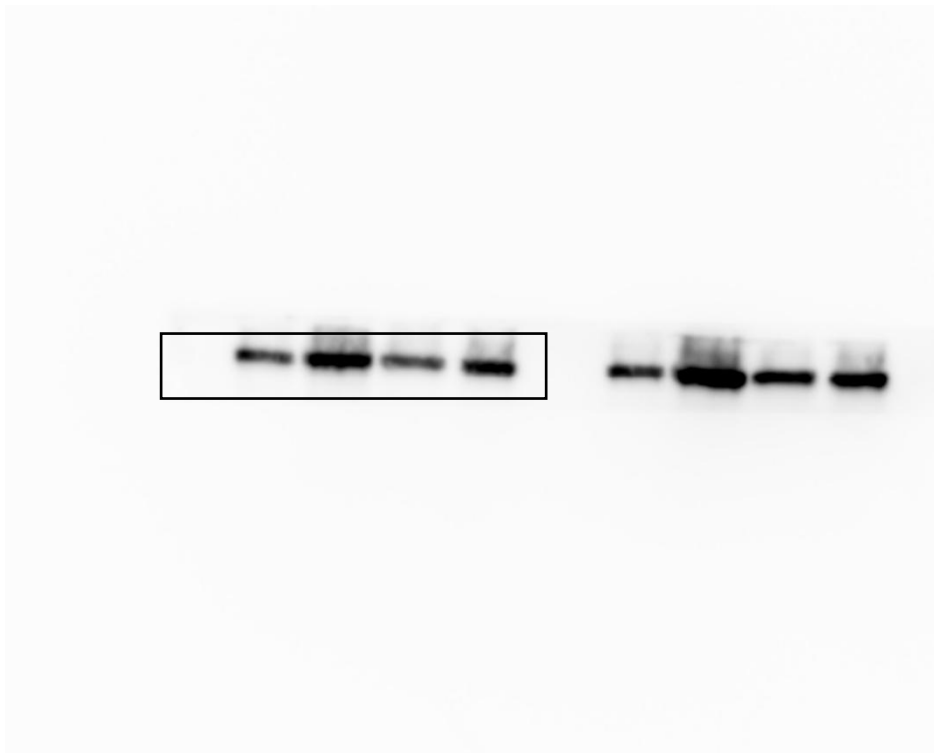


**Fig4D**

**Flag-IP**



**GFP-IP**



## Flag-Input



## GFP-Input



**ACTIN-Input**



**Fig4E**

**GFP-IP**



## Flag-IP



## Flag-Input



**GFP-Input**



**ACTIN-Input**



**Fig4F**

**MED12**



**GFP**



**ACTIN**



**Fig4G**

**MED12**



**GFP**



**GAPDH**

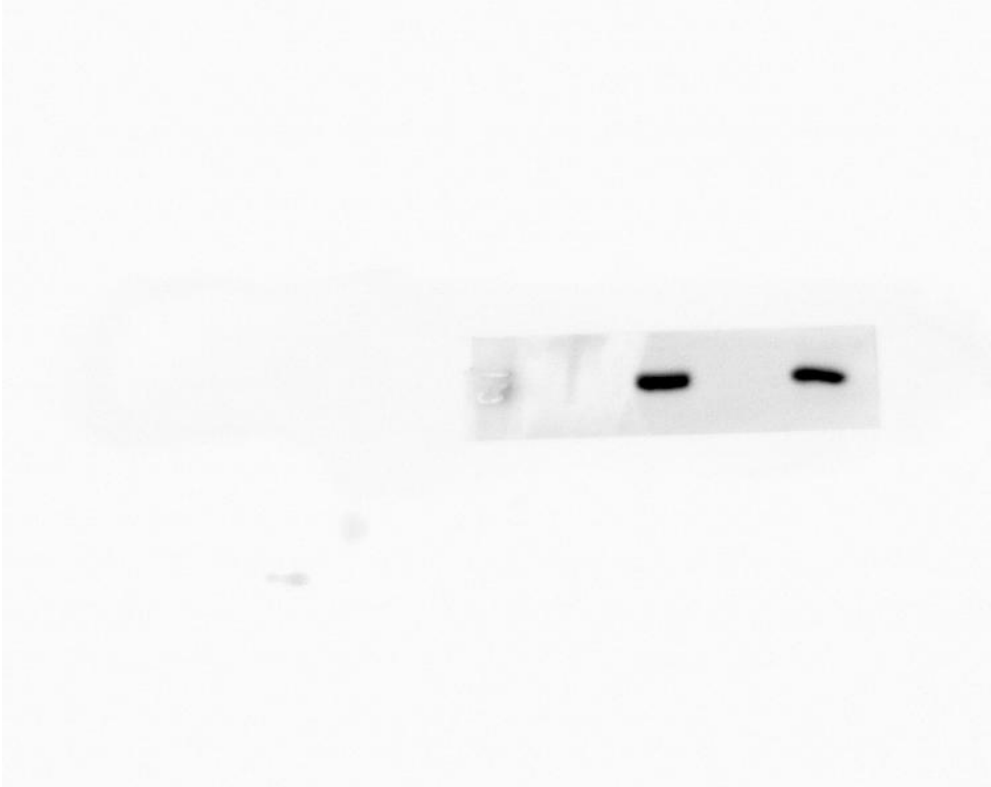


**Fig5B**

**MED12**



**GFP**



**GAPDH**

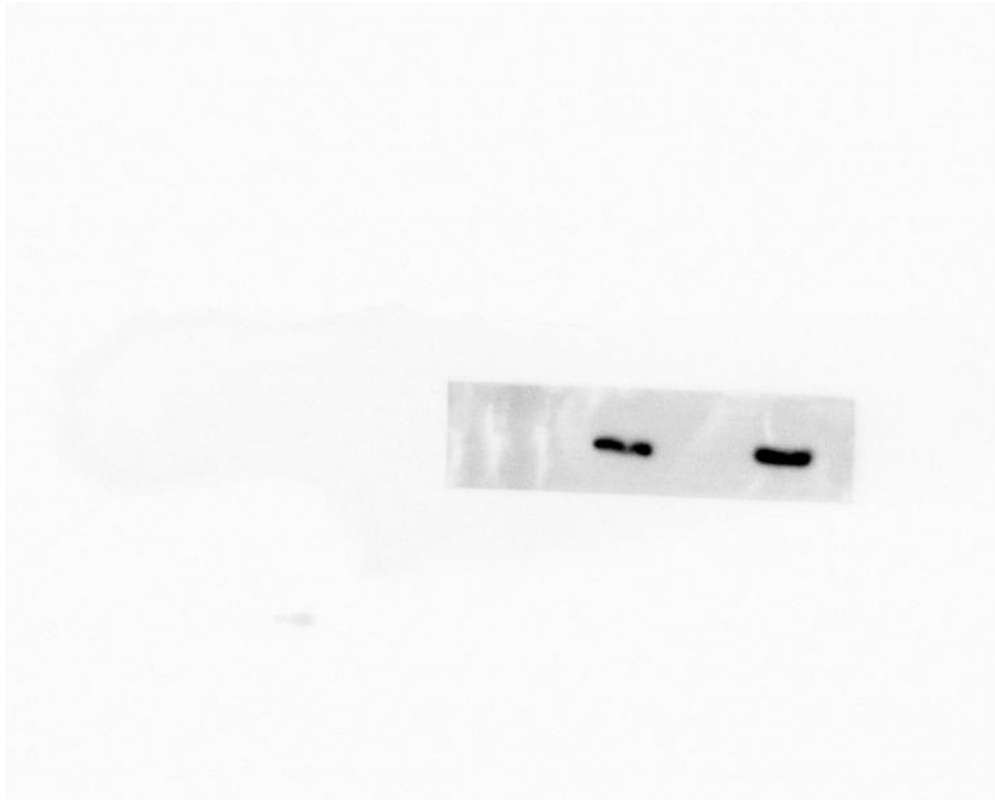


**Fig5C**

**MED12**



**GFP**



**GAPDH**



**Fig5D**

**MED12**

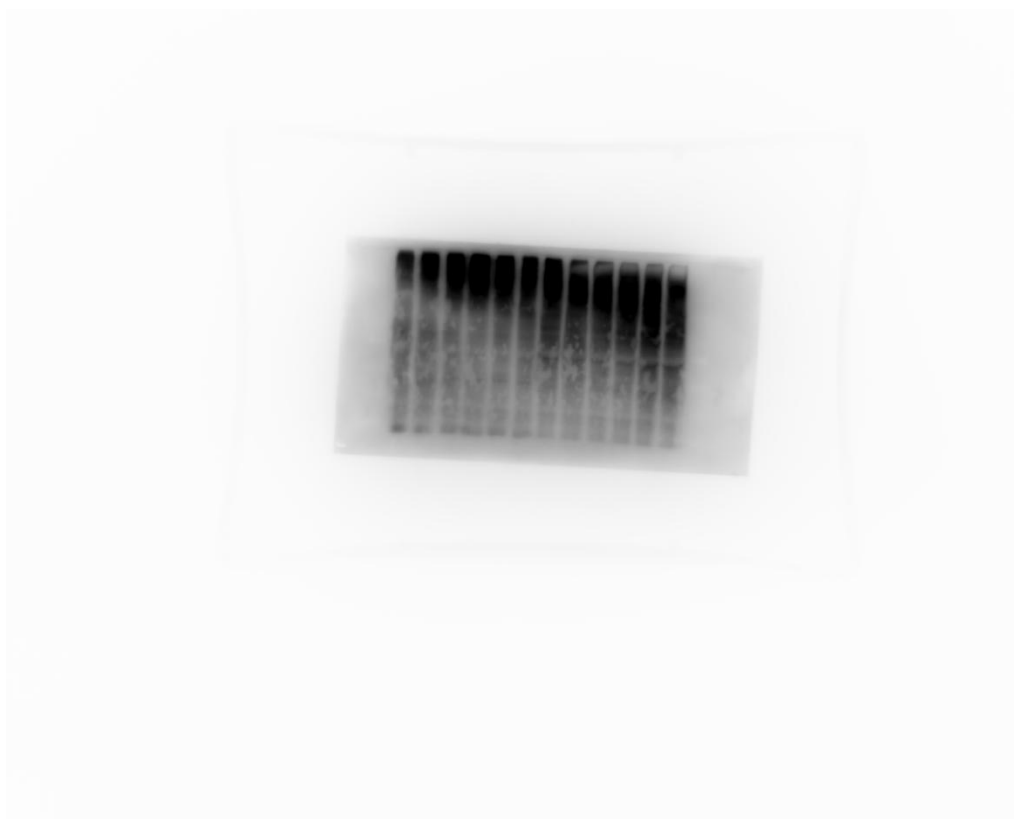


**GAPDH**



**Fig5E**

**Ub-IP**



**MED12-IP**



**MED12-Input**

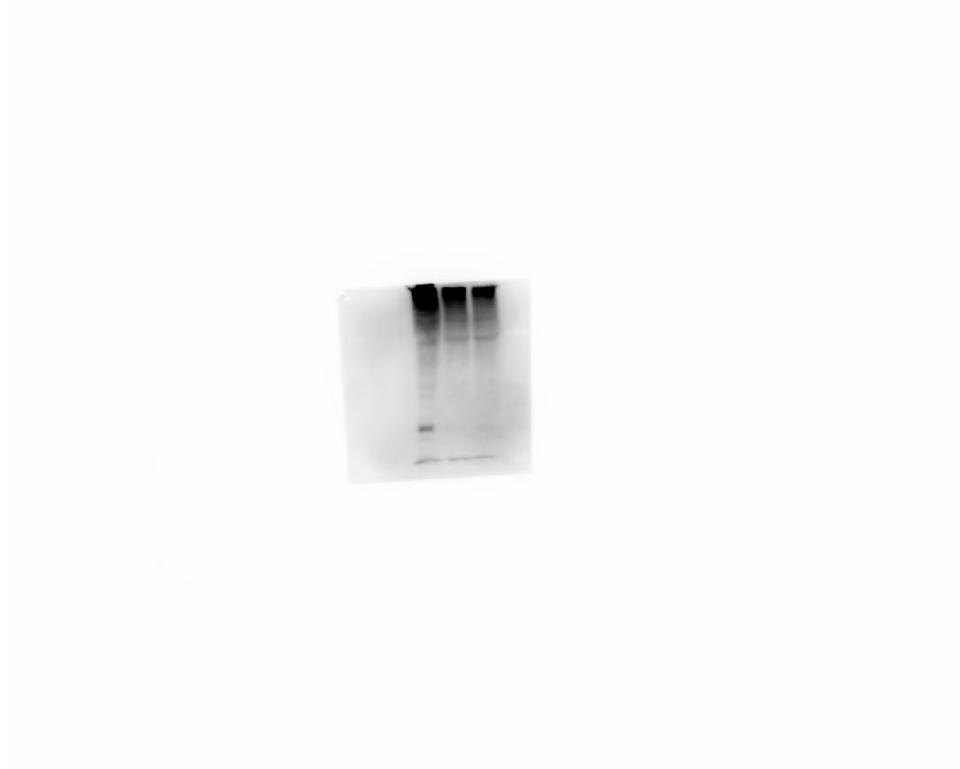


**GAPDH**



**Fig5F**

**HA-Ub-IP**



**MED12-IP**



**HA-Ub-Input**



**MED12-Input**



**FBXO7-Input**

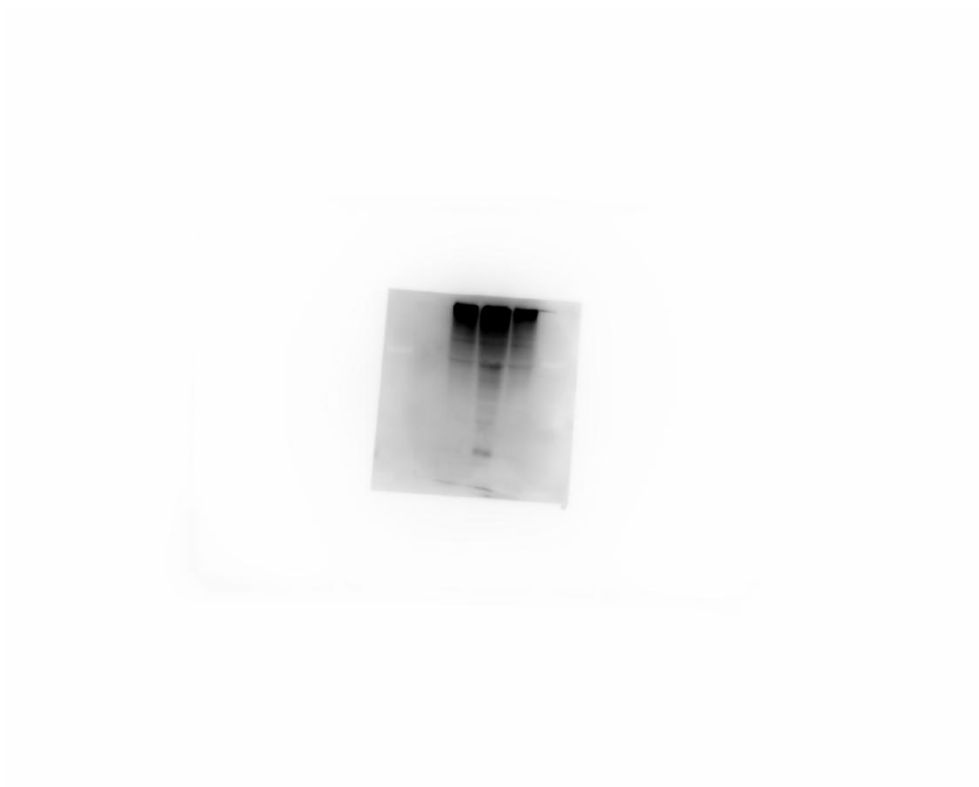


**GAPDH**

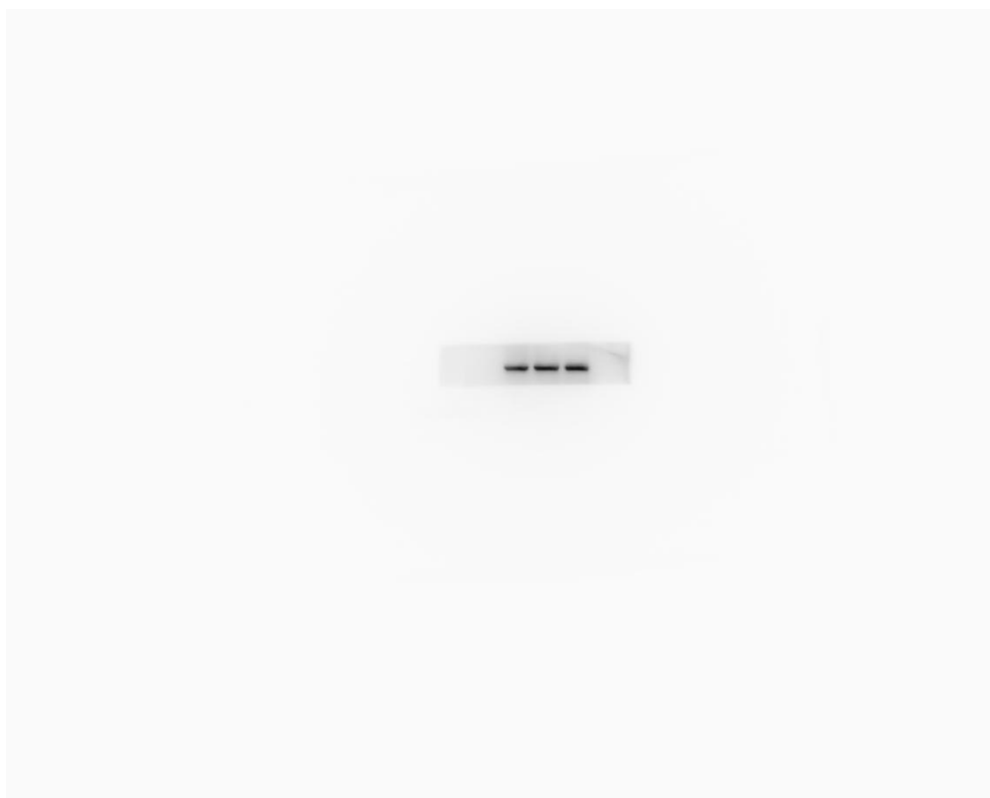


**Fig5G**

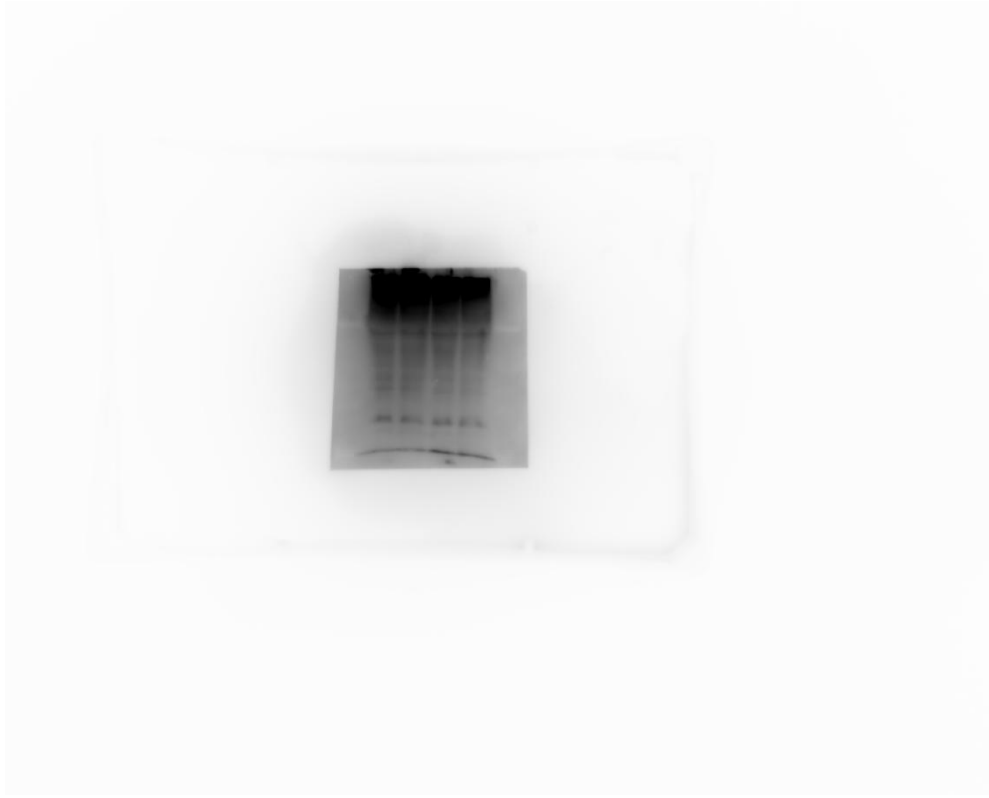
**HA-Ub-IP**



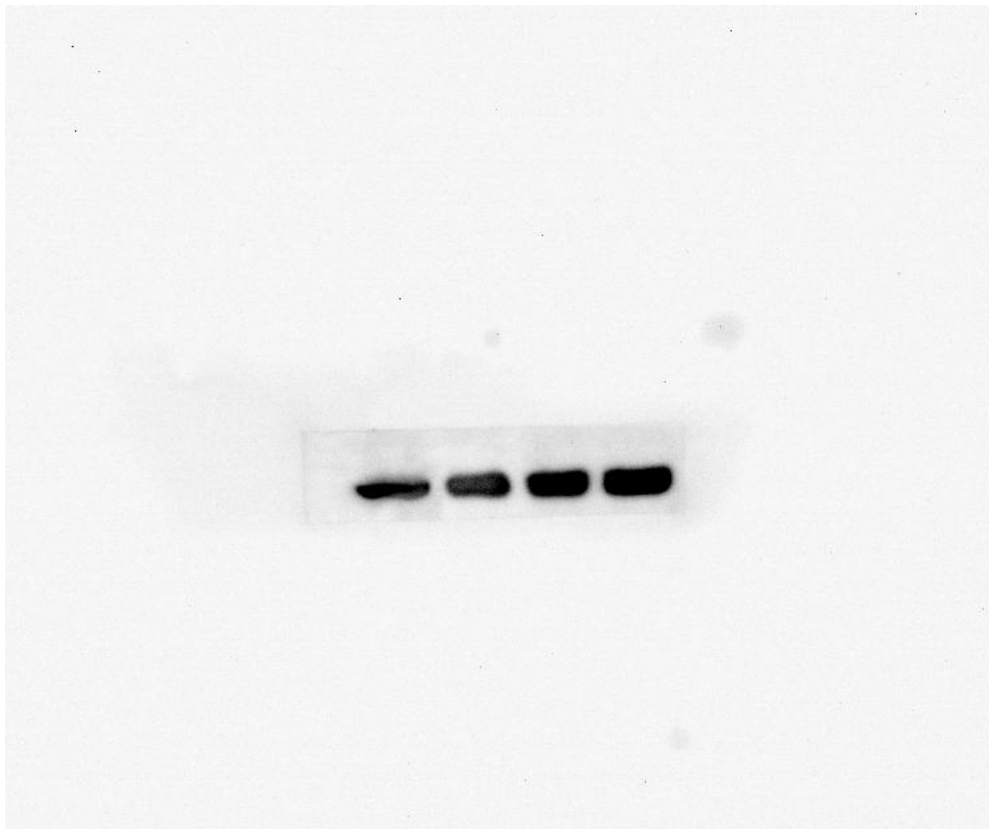
**MED12-IP**



**HA-Ub-Input**



**MED12-Input**



## GFP-Input

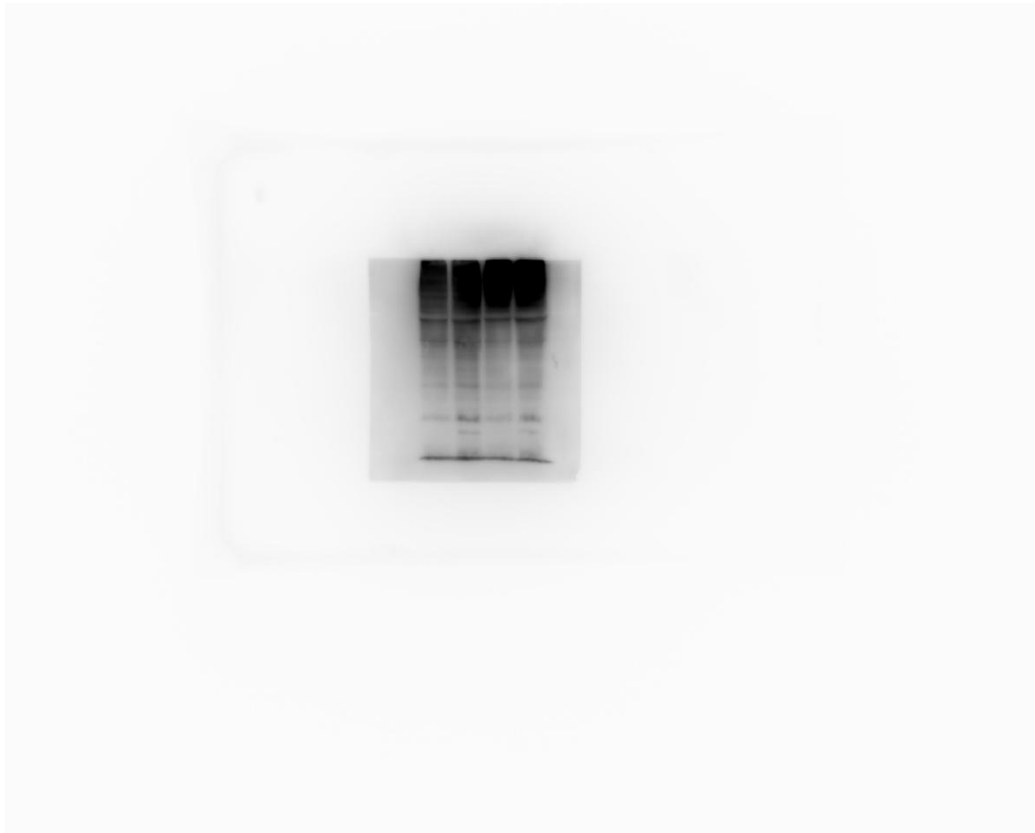


## GAPDH



**Fig5H**

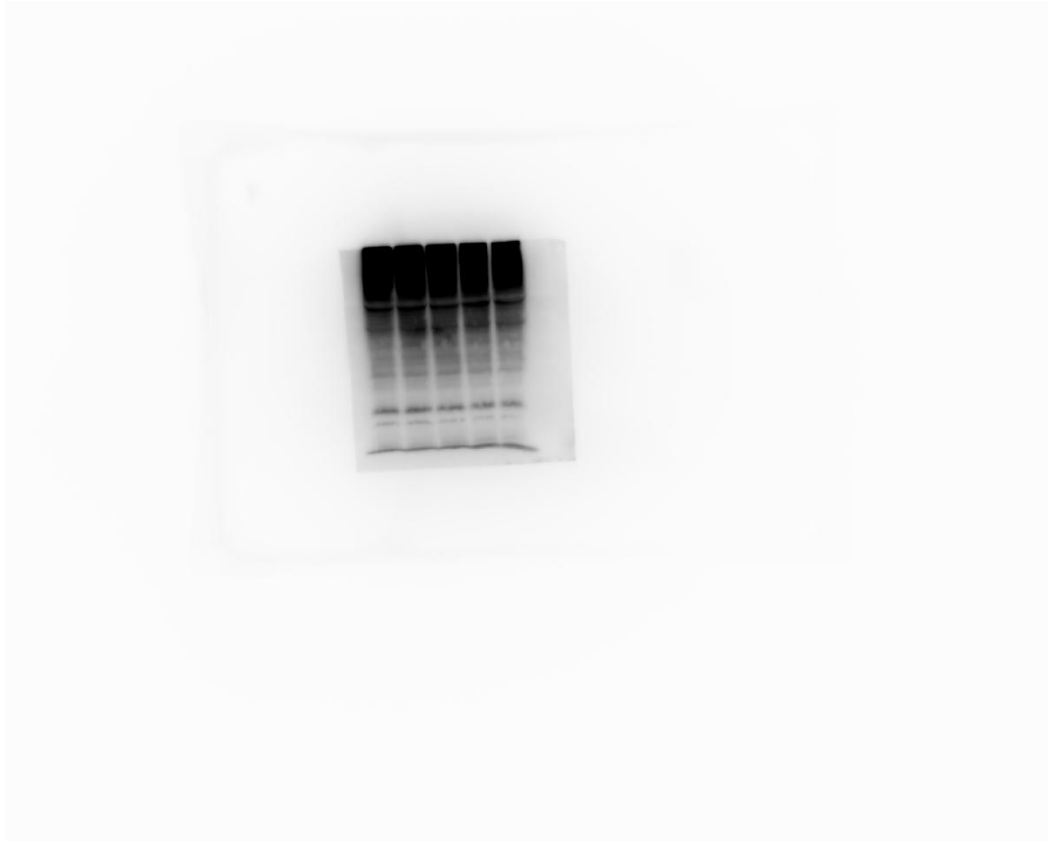
**HA-Ub-IP**



**Flag-IP**



## HA-Ub-Input



## Flag-Input



**GFP**



**GAPDH**



**Fig5I**

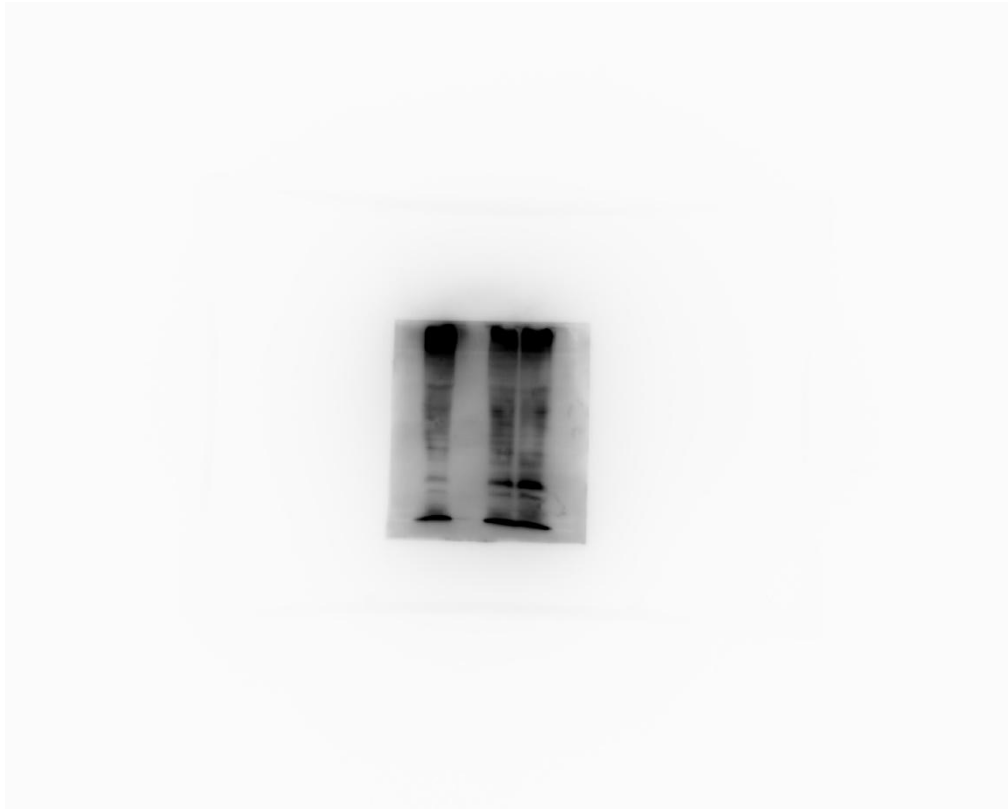
**HA-Ub-IP**



**Flag-IP**



### HA-Ub-Input



### Flag-Input



**FBXO7**



**GAPDH**



**Fig5J**

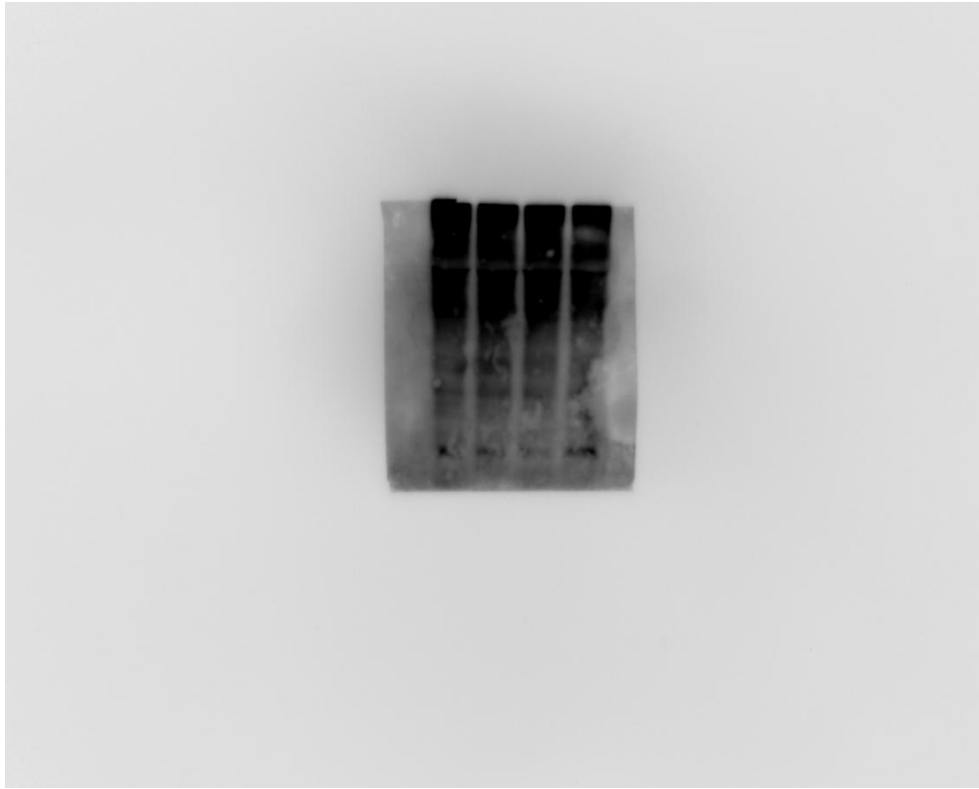
**Ub-IP**



**MED12-IP**



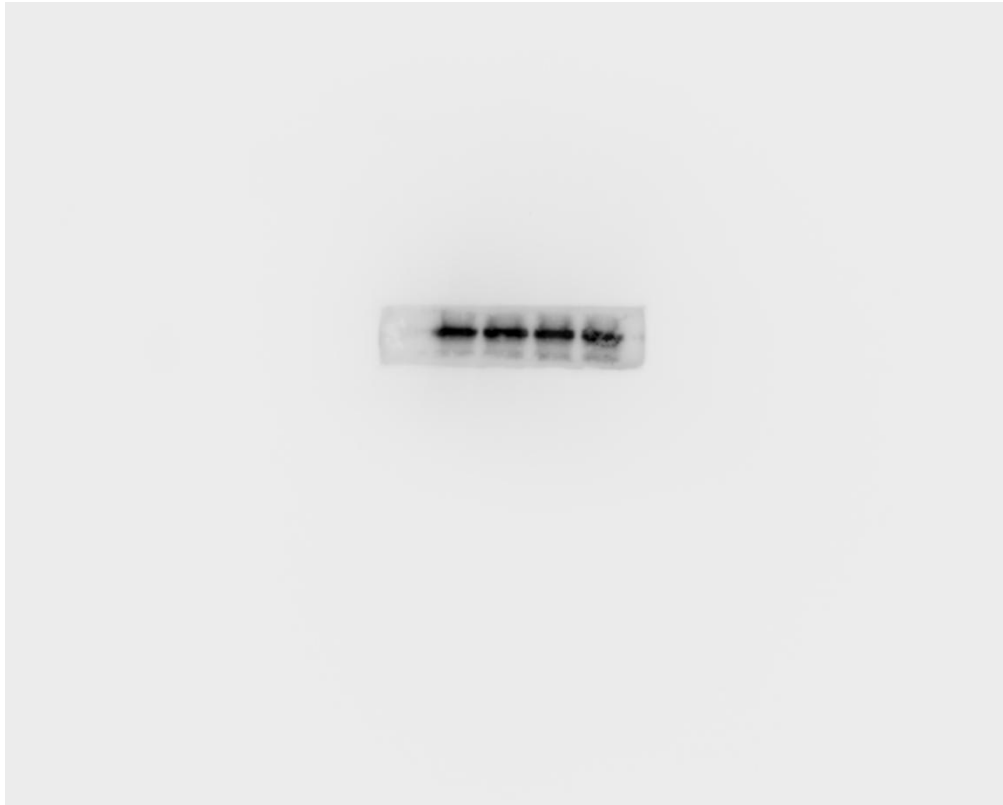
**Ub-Input**



**MED12-Input**



**GFP-Input**

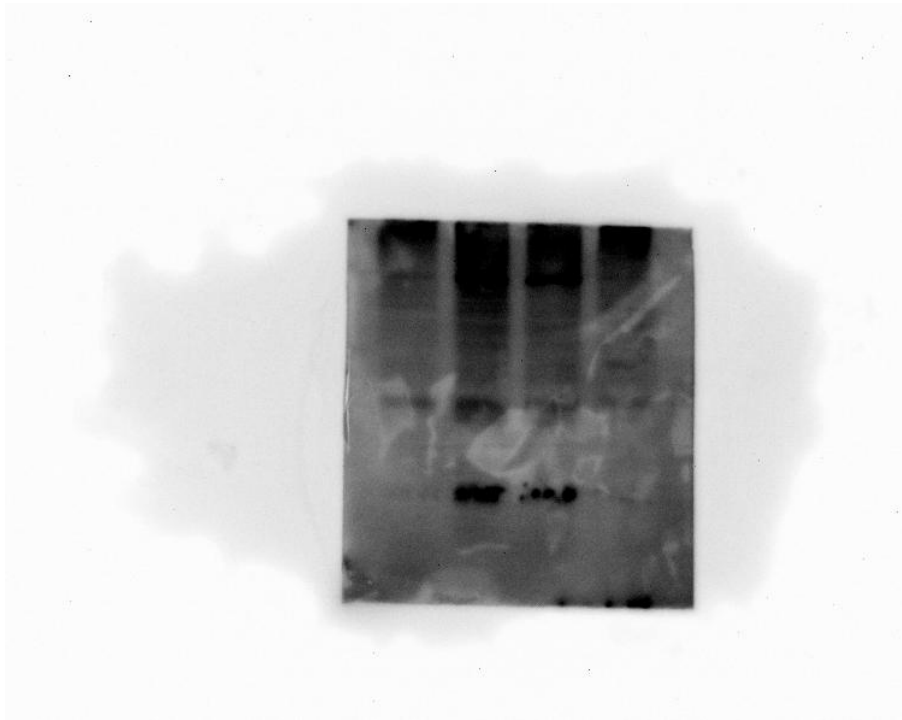


**GAPDH**

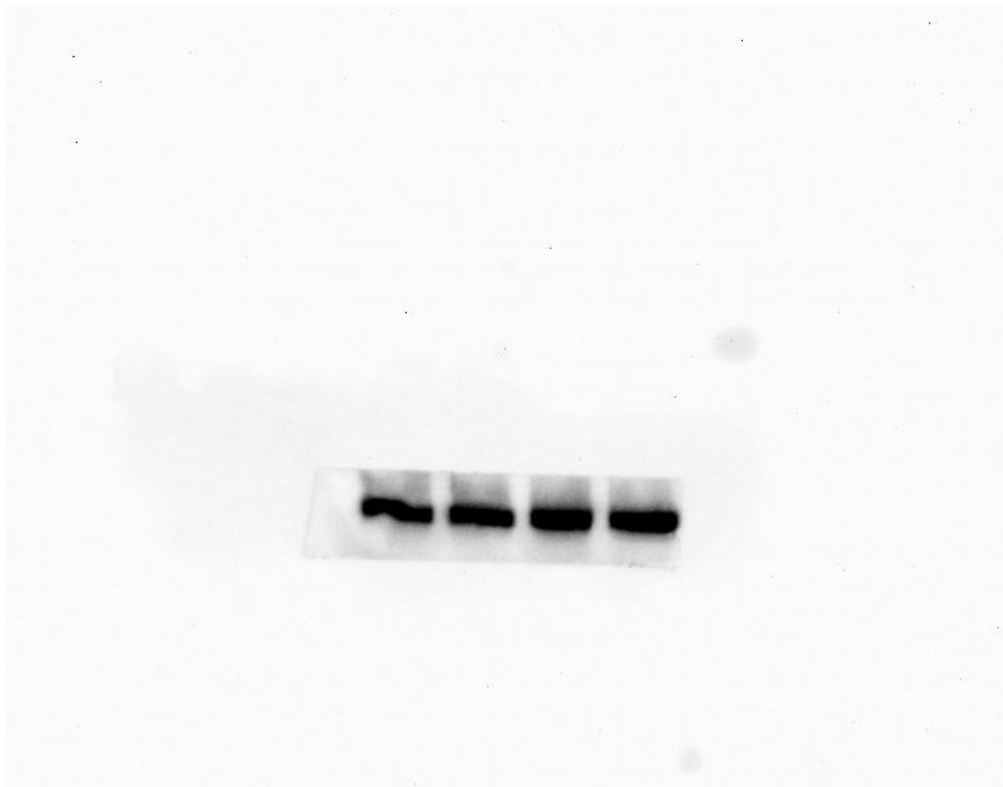


**Fig5K**

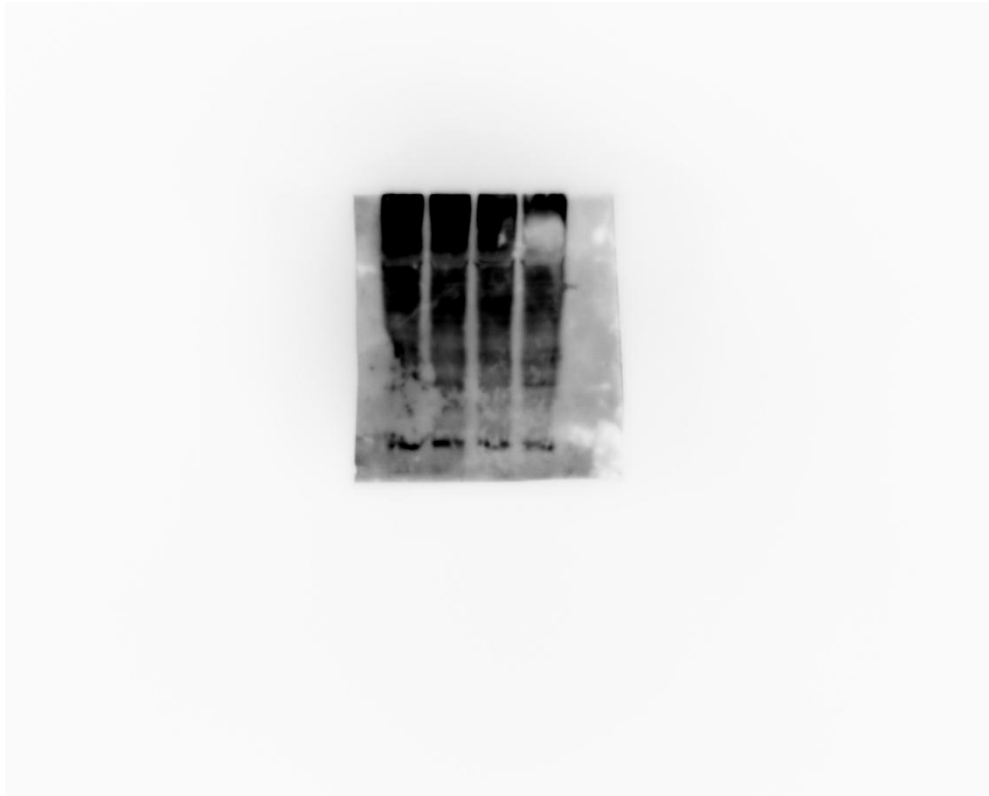
**Ub-IP**



**MED12-IP**



**Ub-Input**



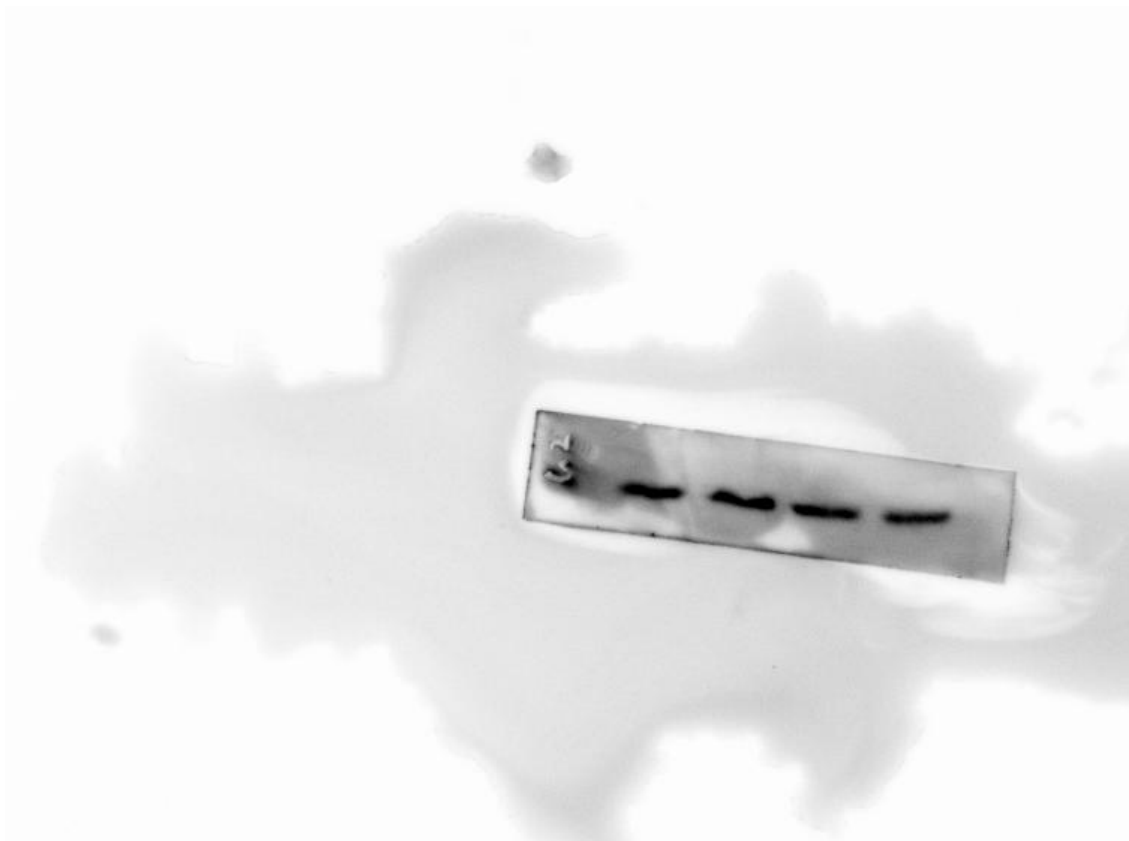
**MED12-Input**



**GFP-Input**

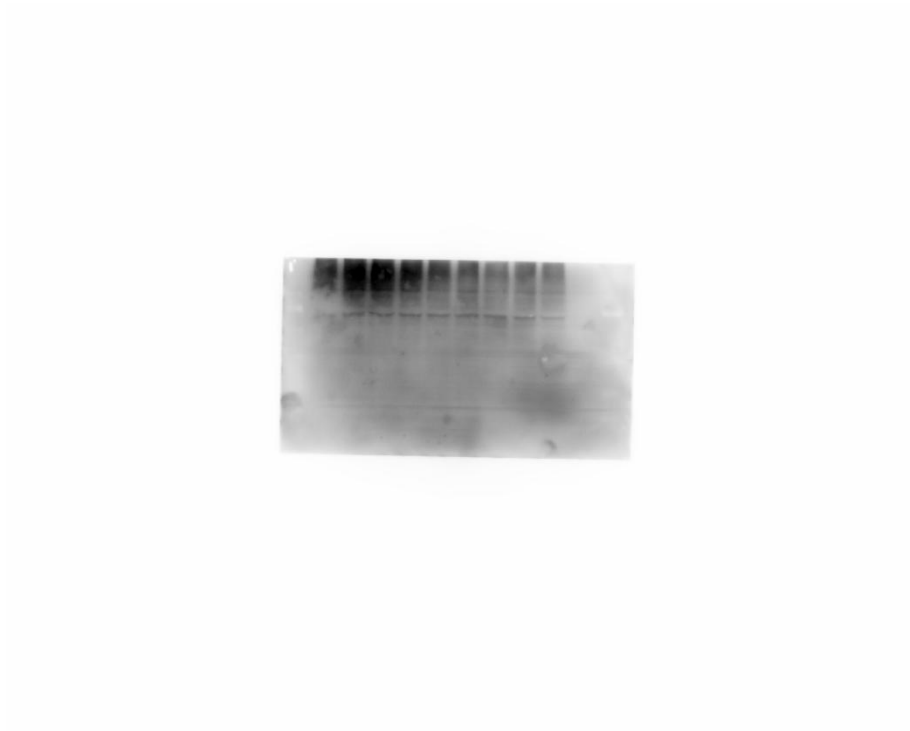


**GAPDH**



**Fig5L**

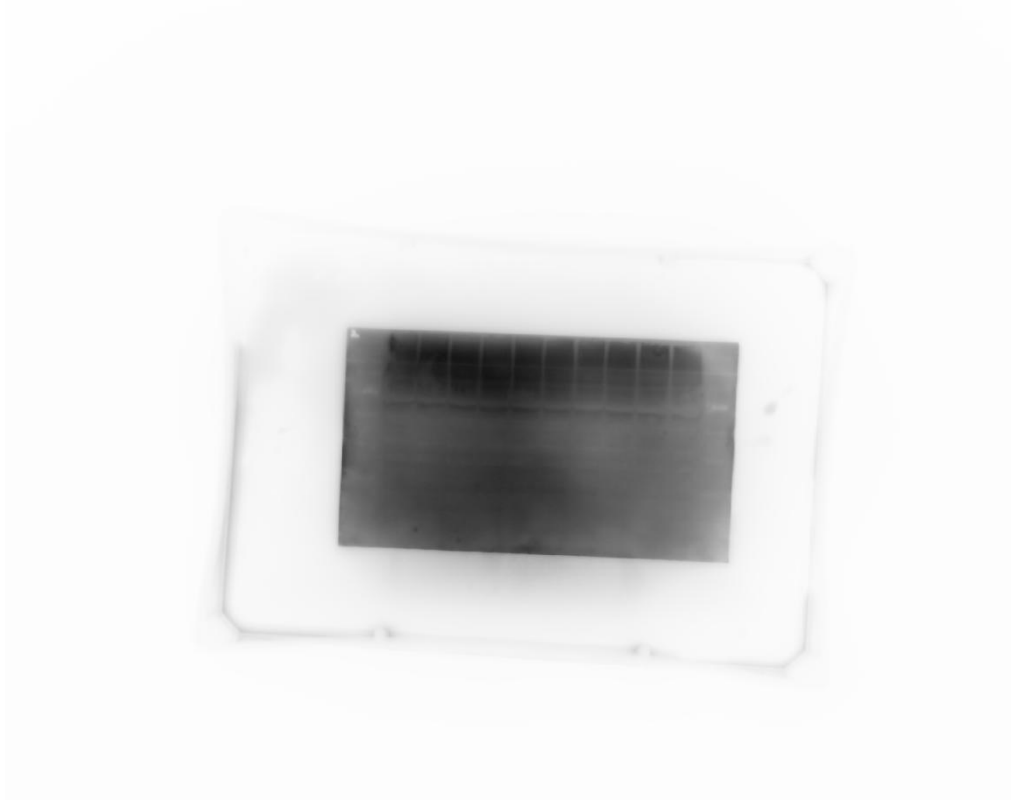
**HA-Ub-IP**



**MED12-IP**



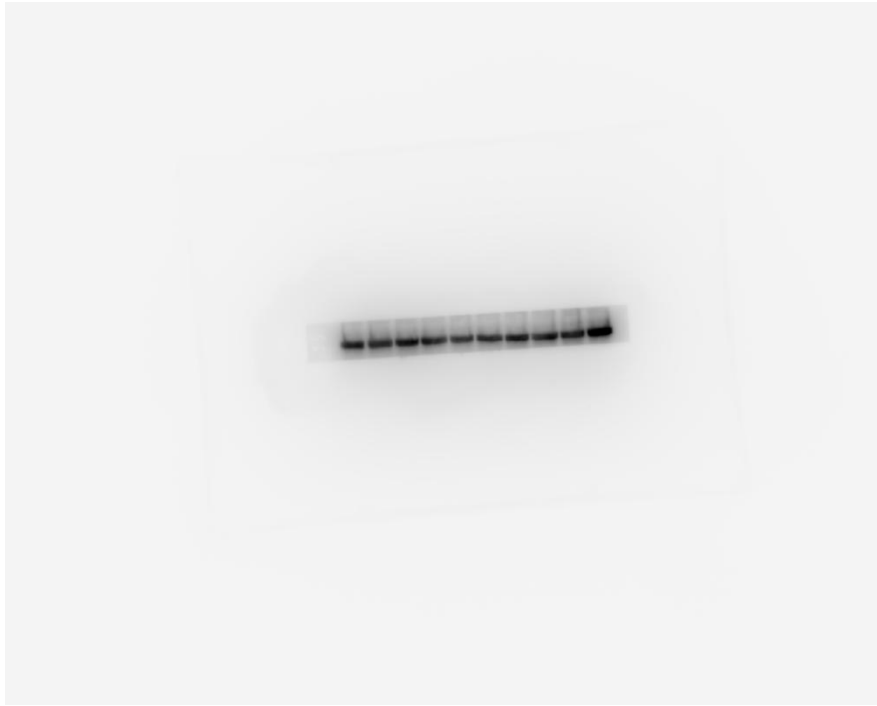
**HA-Ub-IP**



**MED12-Input**



**GAPDH**



**Fig5M**

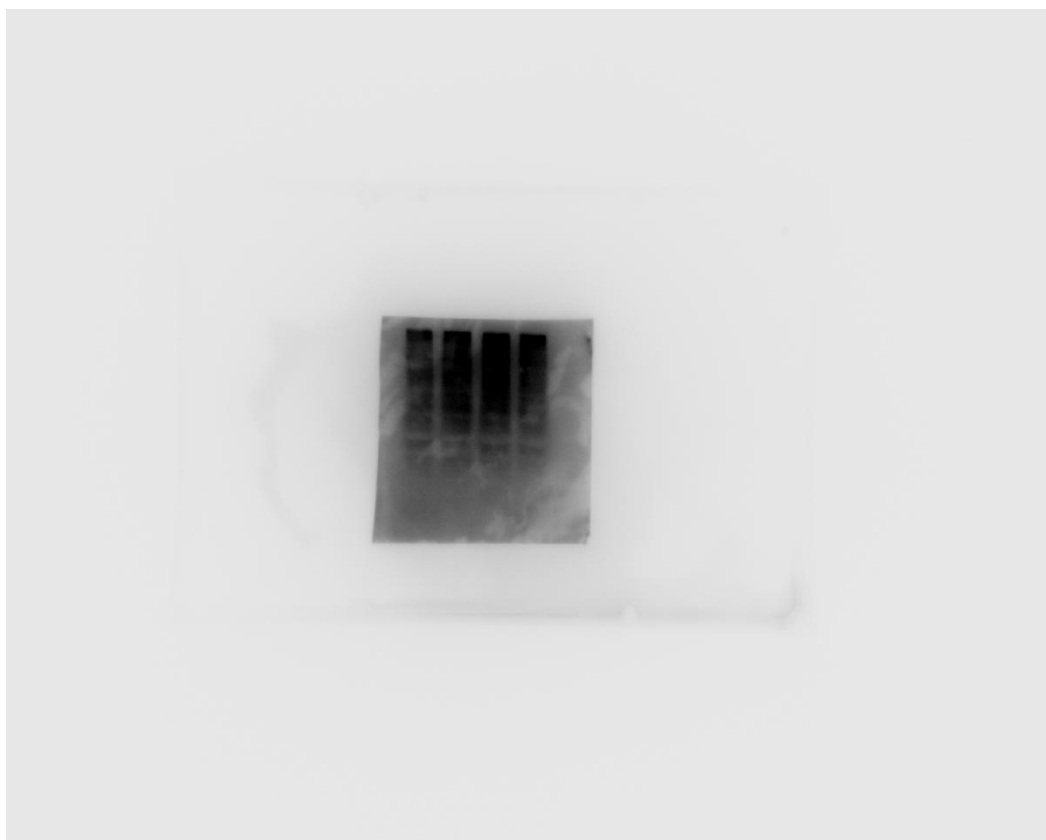
**HA-Ub-IP**



**Flag-IP**



**HA-Ub-Input**



**Flag-Input**



**GFP-Input**



**GAPDH**

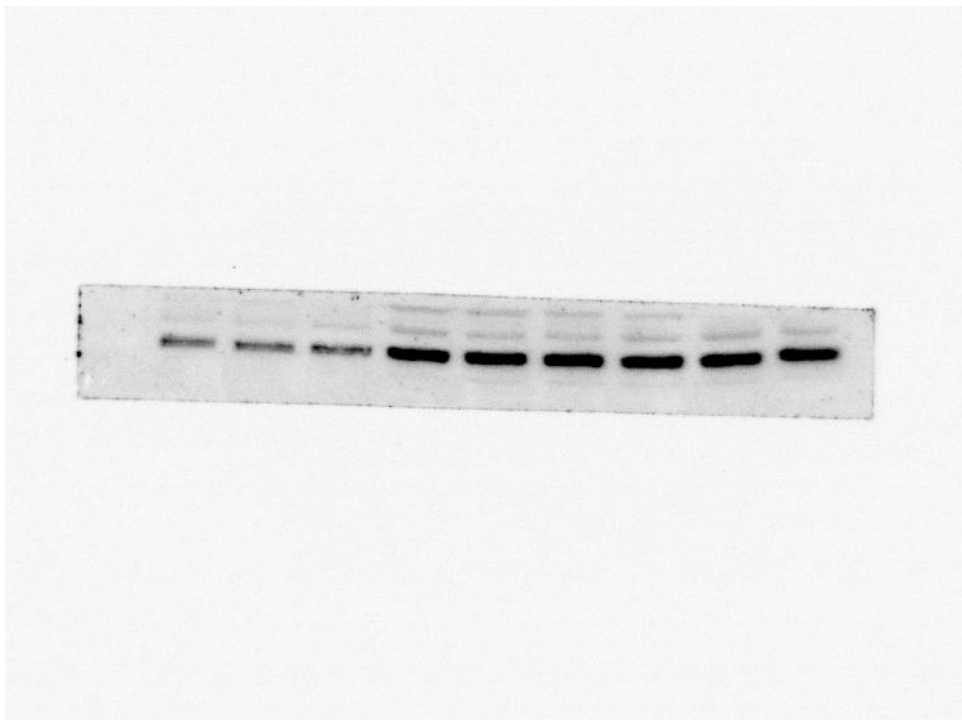


**Fig6F**

**pp53**



**p53**



**p21**



**p16**



**GAPDH**



**Fig6H**

**p-TBK1**



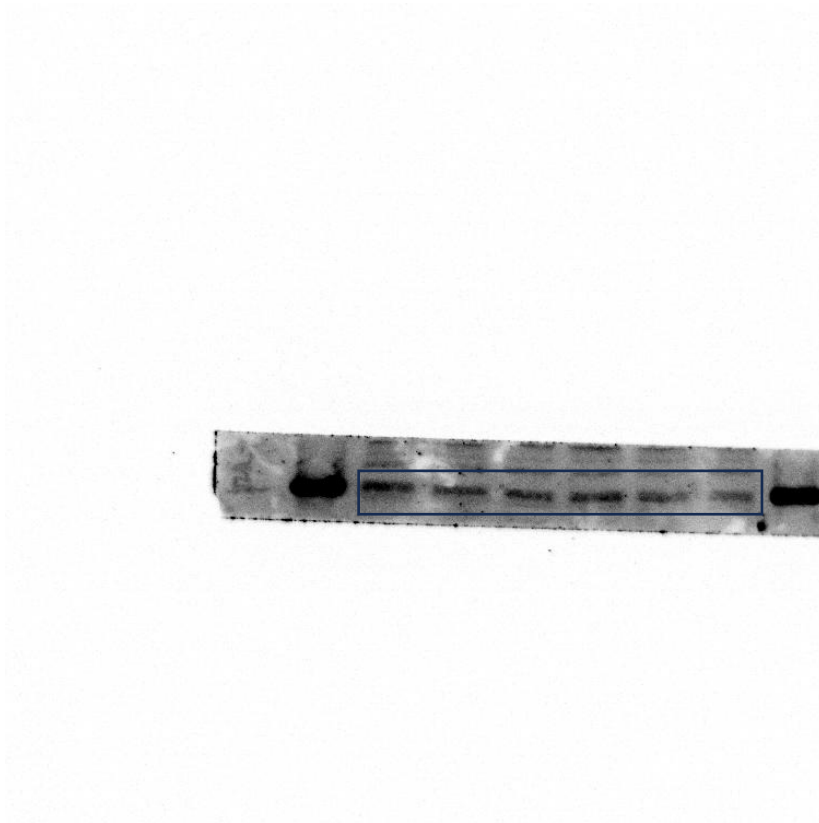
**TBK1**



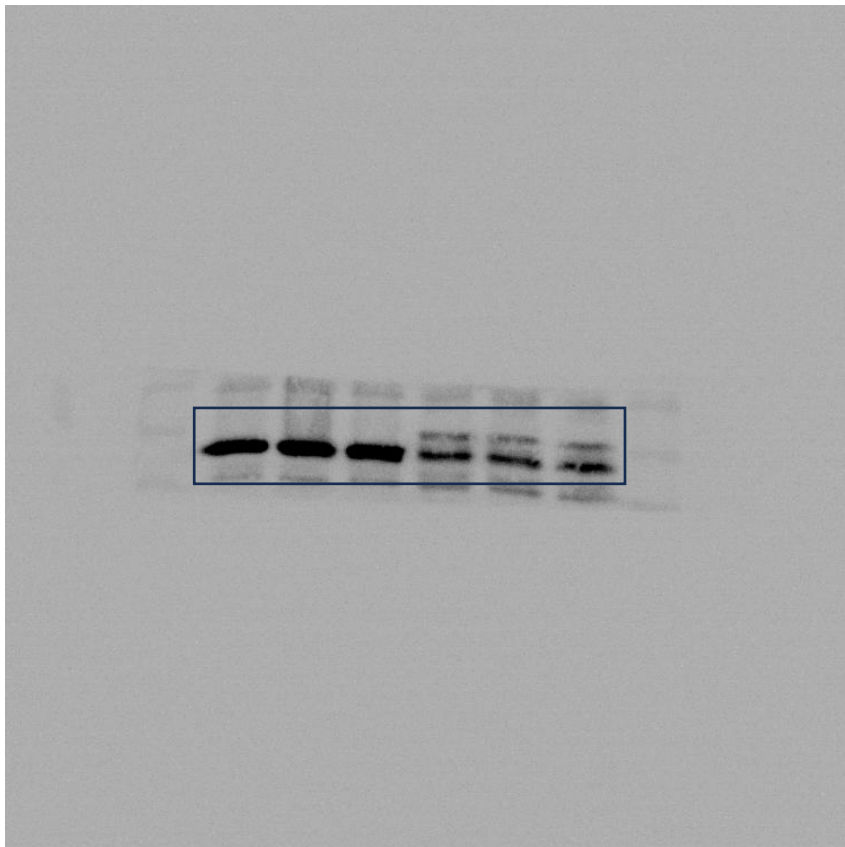
**p-IRF3**



## IRF3



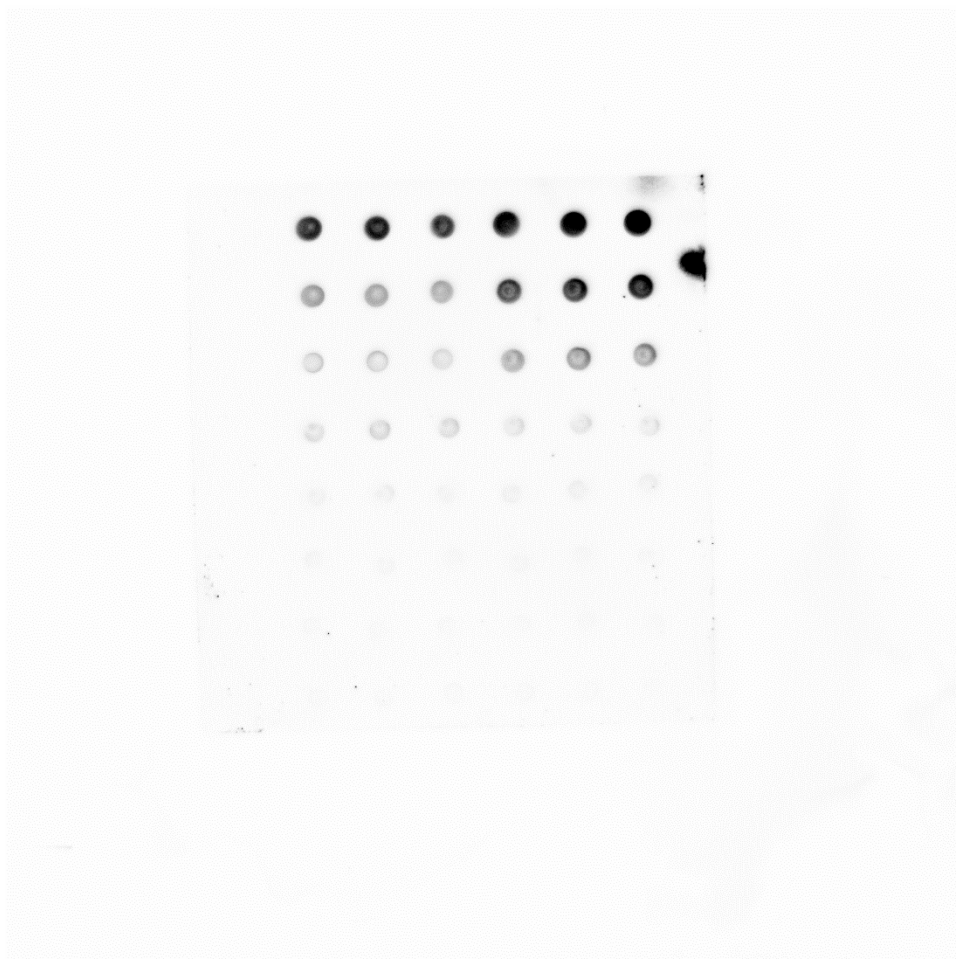
## STING



**GAPDH**

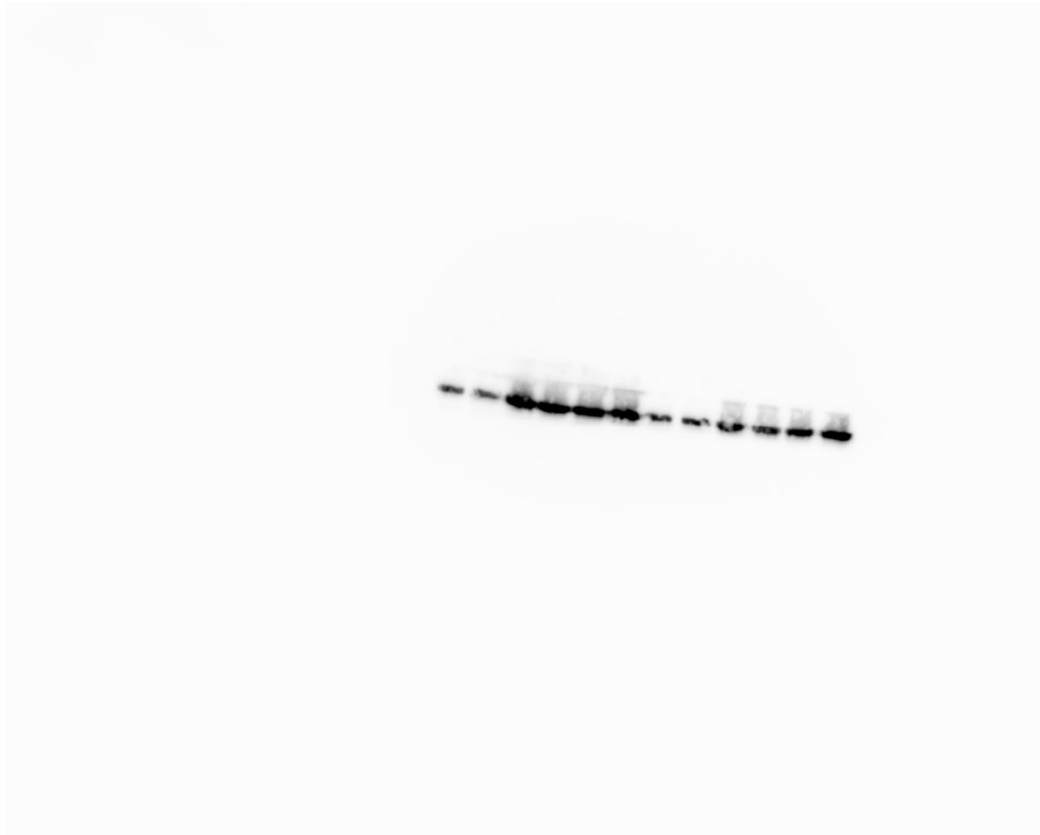


**Fig7D**



**Fig8A**

**pp53**



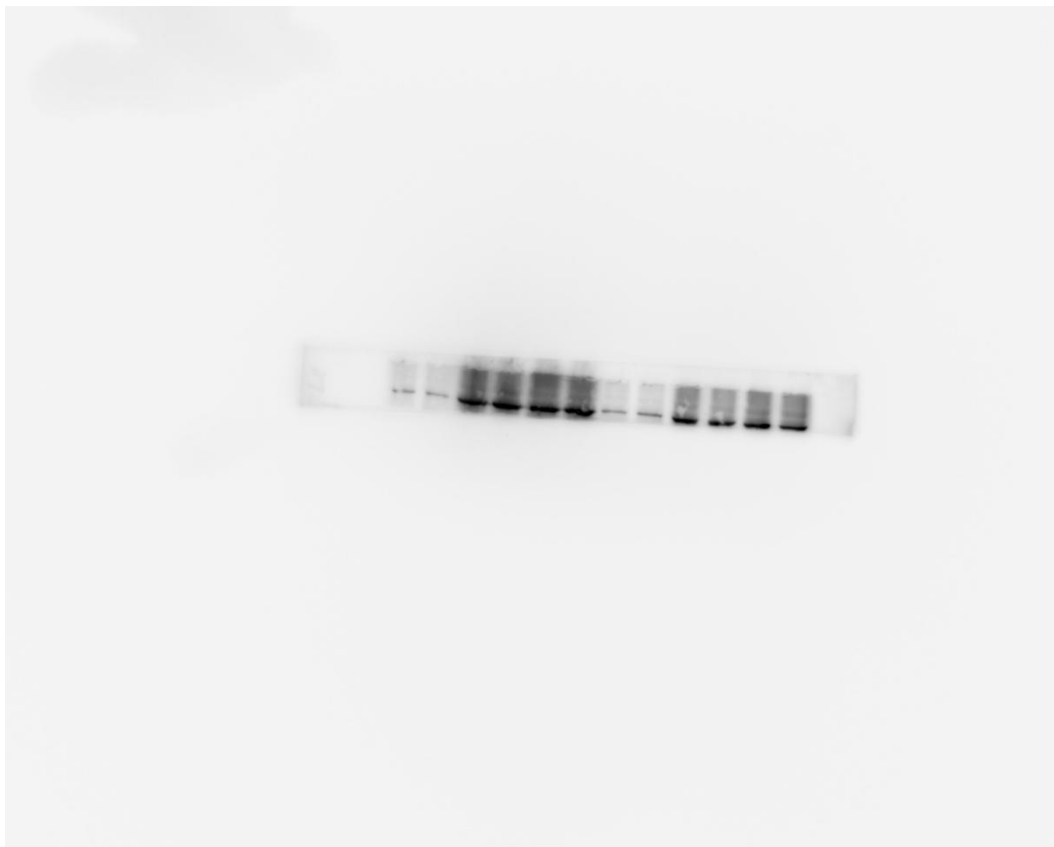
**p53**



**P21**



**P16**



**GAPDH**



**Fig8D**

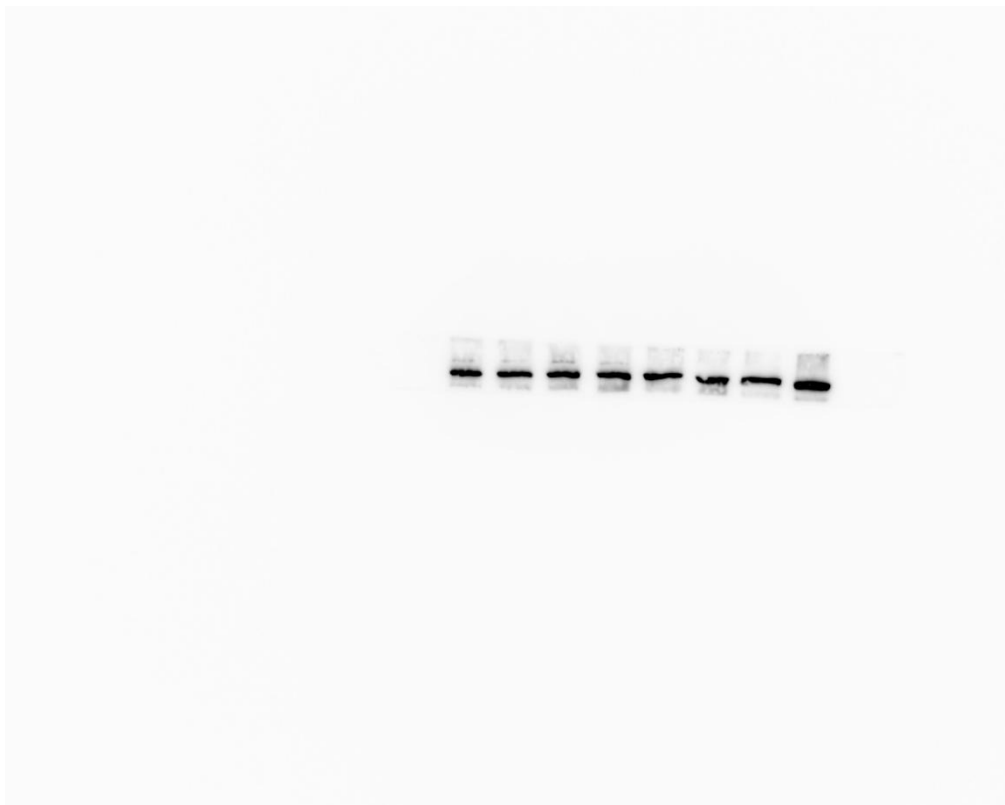
**Flag-IP**



**GFP**



**Flag-Input**

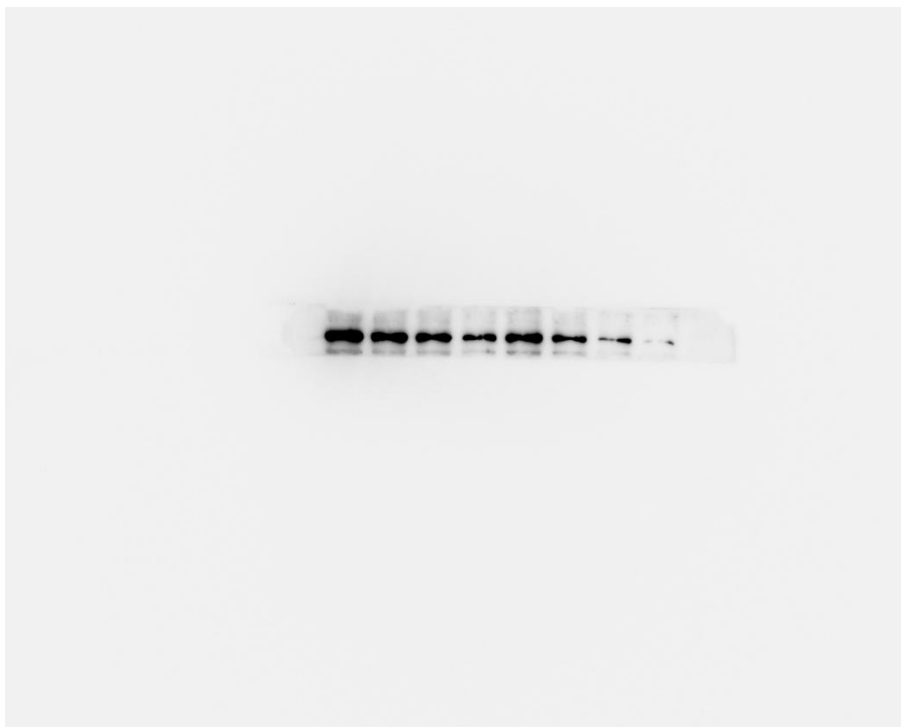


**GAPDH**



**Fig8E**

**WT-MED12**



**WT-GAPDH**



**RF-MED12**



**RF-GAPDH**

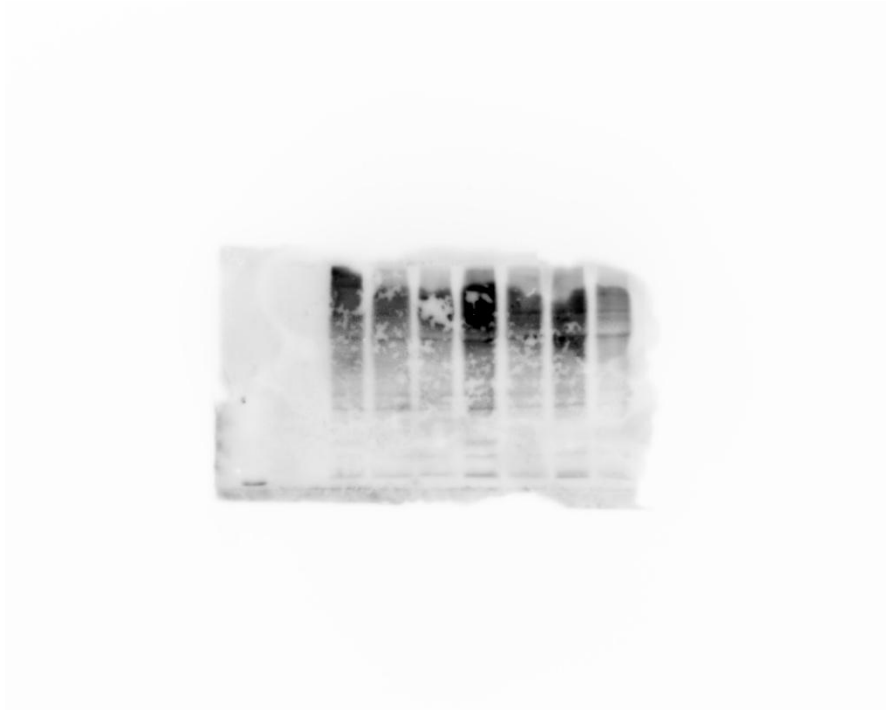


**Fig8G**

**MED12-IP**



## Ub-IP



## MED12-Input

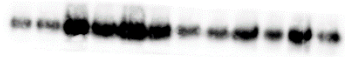


**GAPDH**

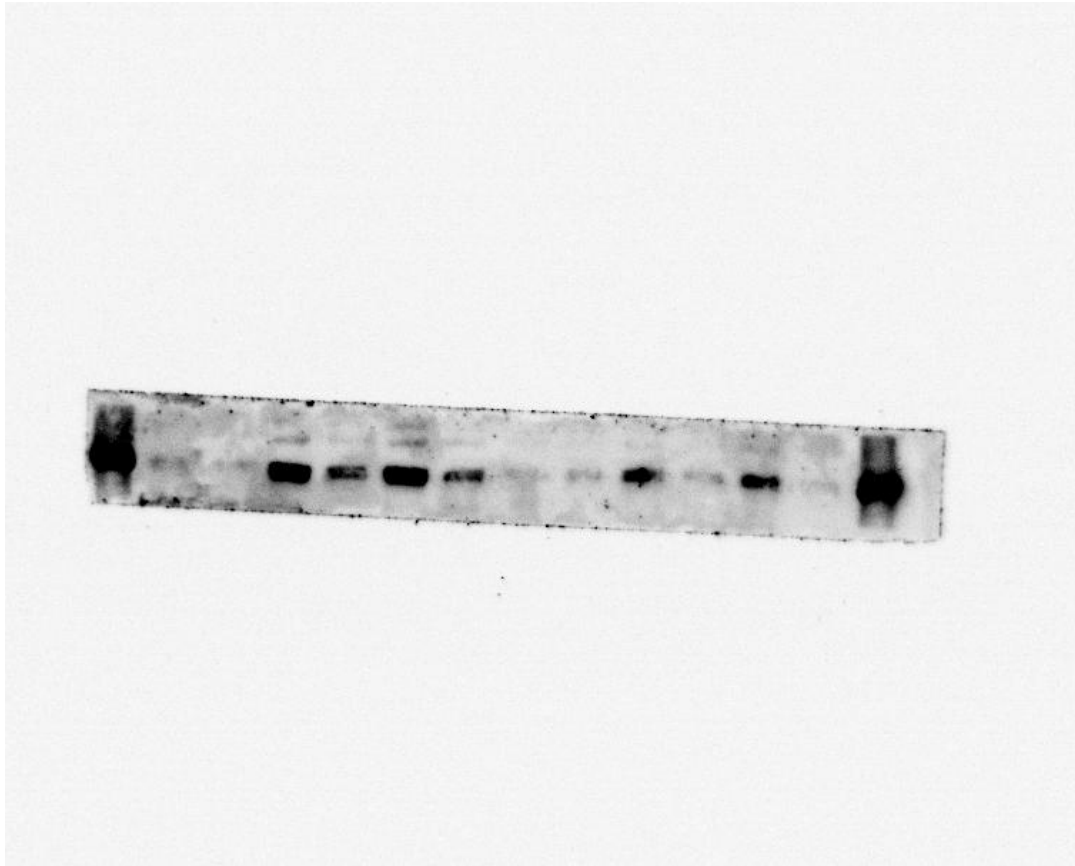


**Fig8H**

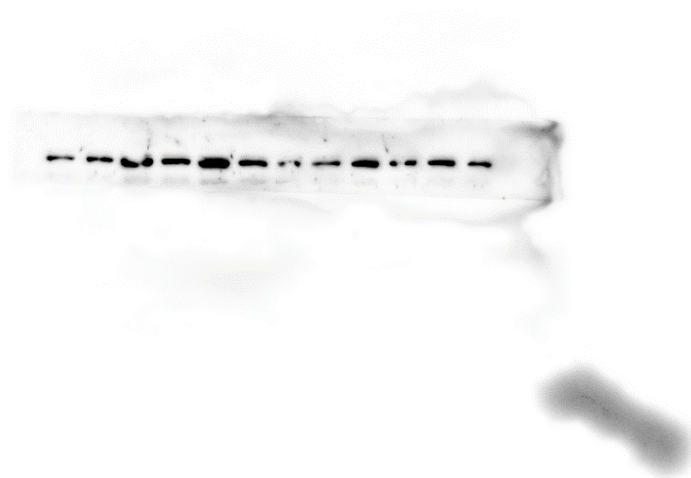
**PP53**



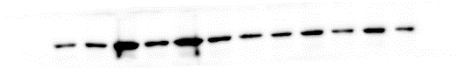
P53



P21



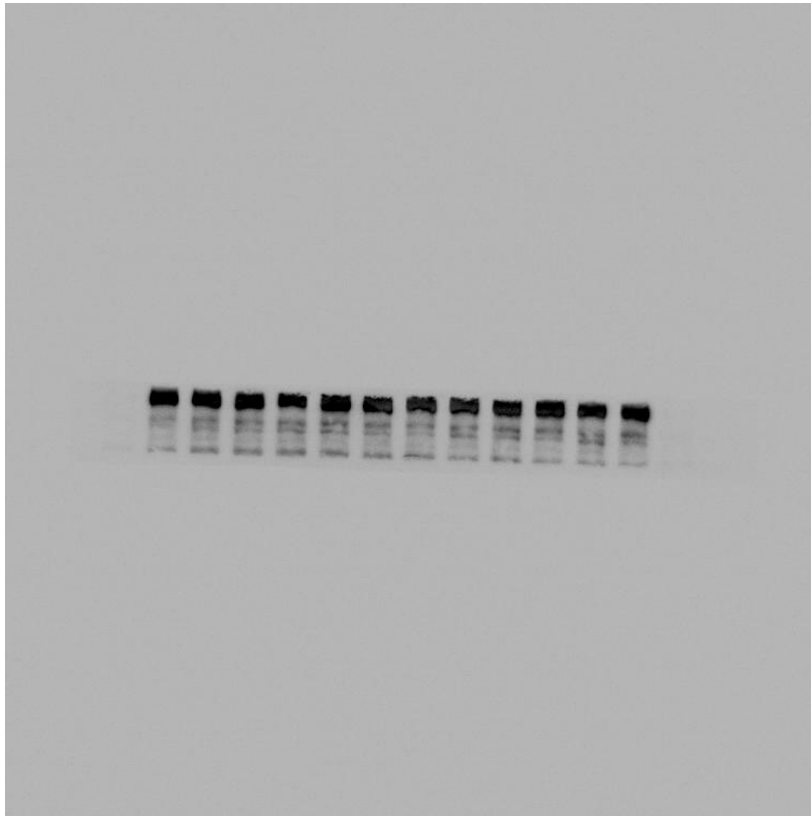
P16



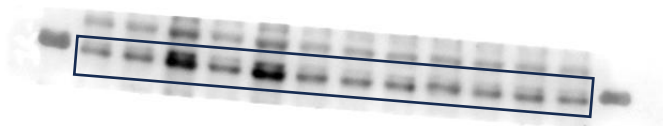
p-TBK1



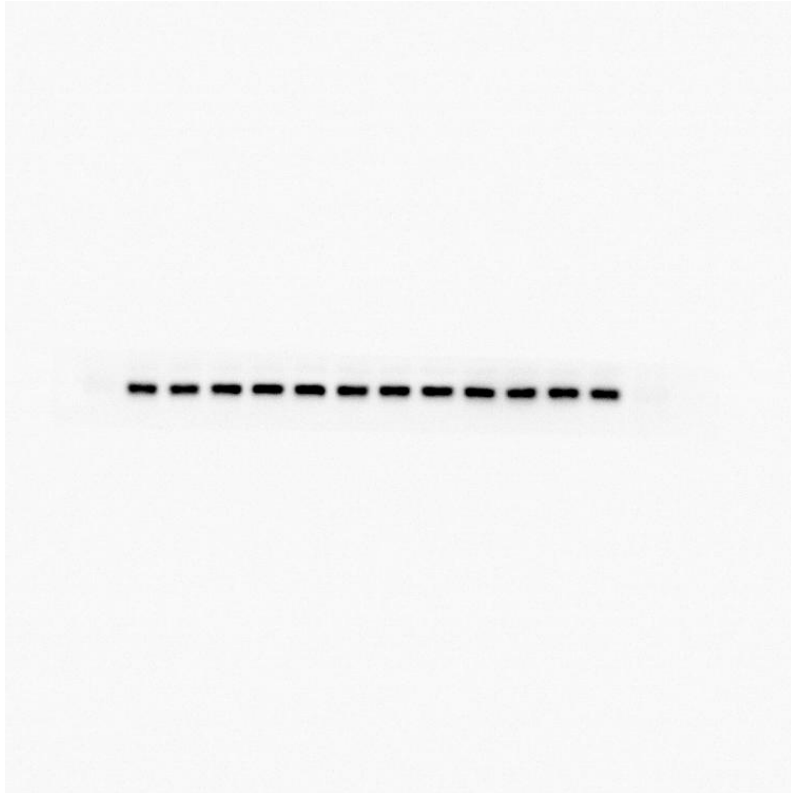
**TBK1**



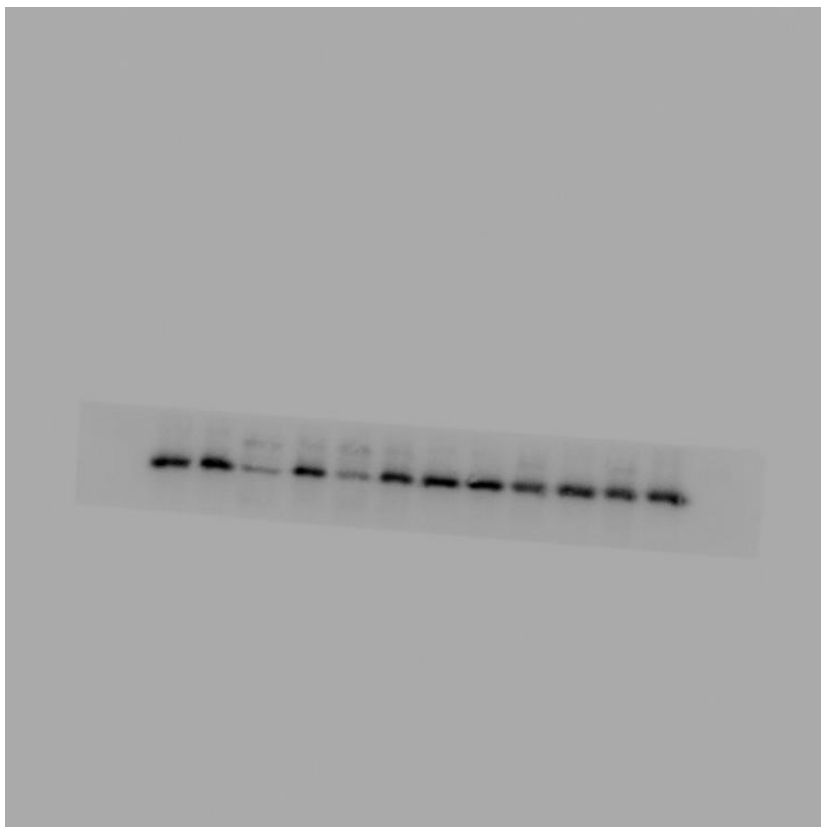
**p-IRF3**



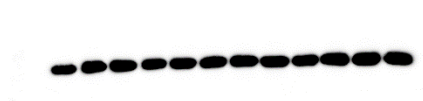
**IRF3**



**STING**



**GAPDH**



**Fig9B**

**TSG101**



**CD63**



**CD9**

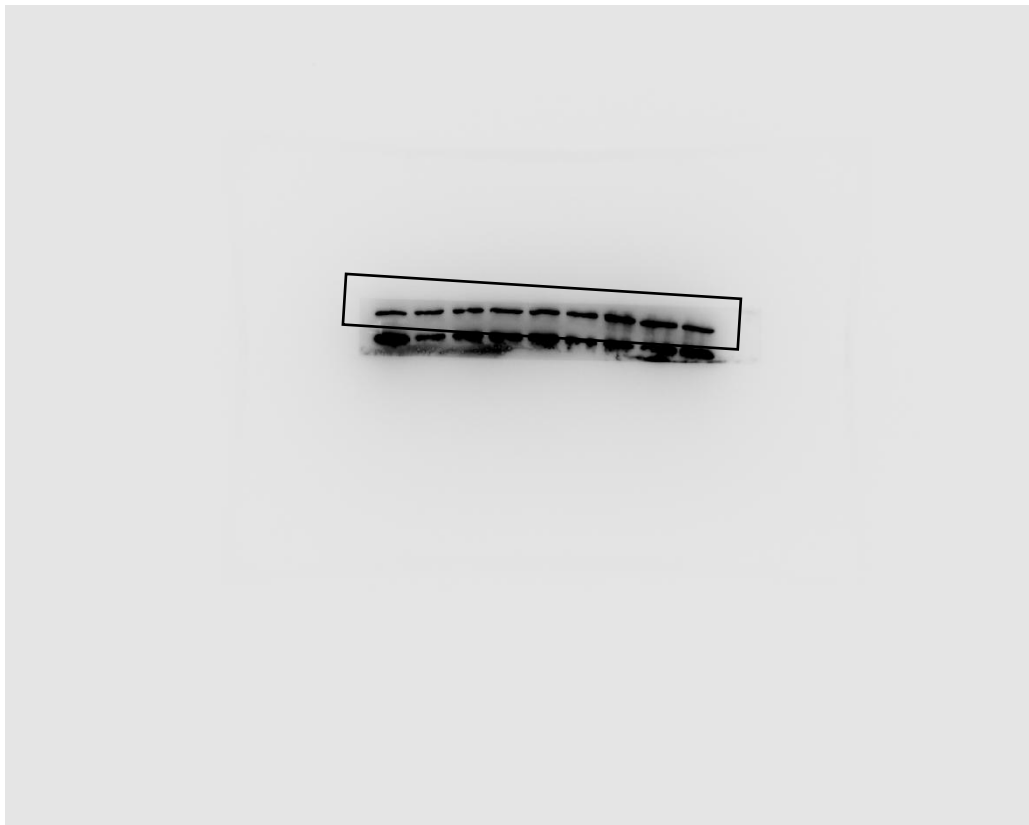


**GAPDH**



**Fig9E**

**MED12**



**GAPDH**



**Fig9F**

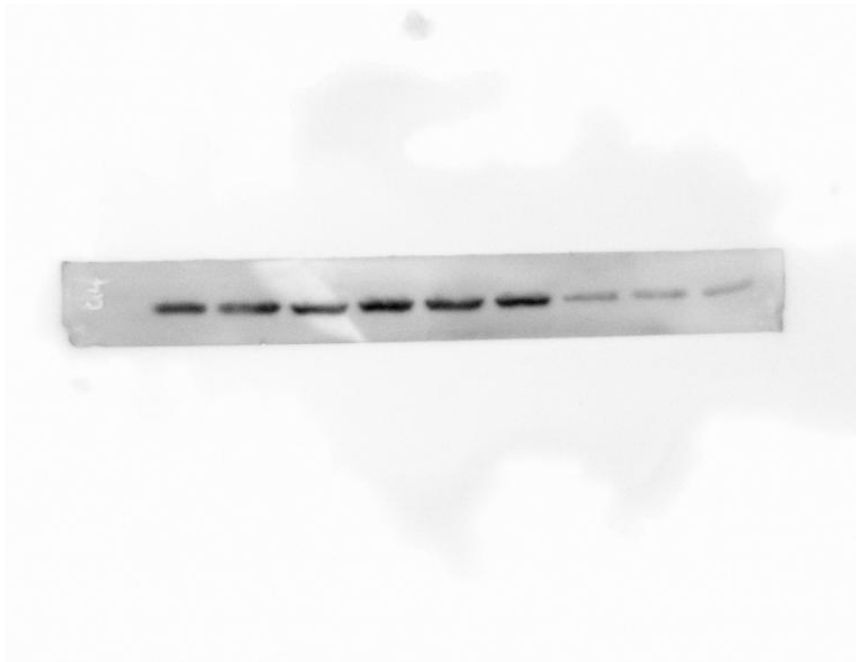
**PP53**



P53



P21



**P16**



**GAPDH**



**Fig9G**

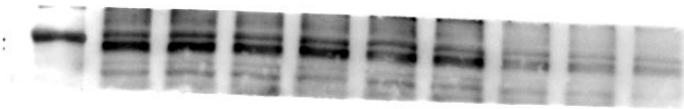
**p-TBK1**



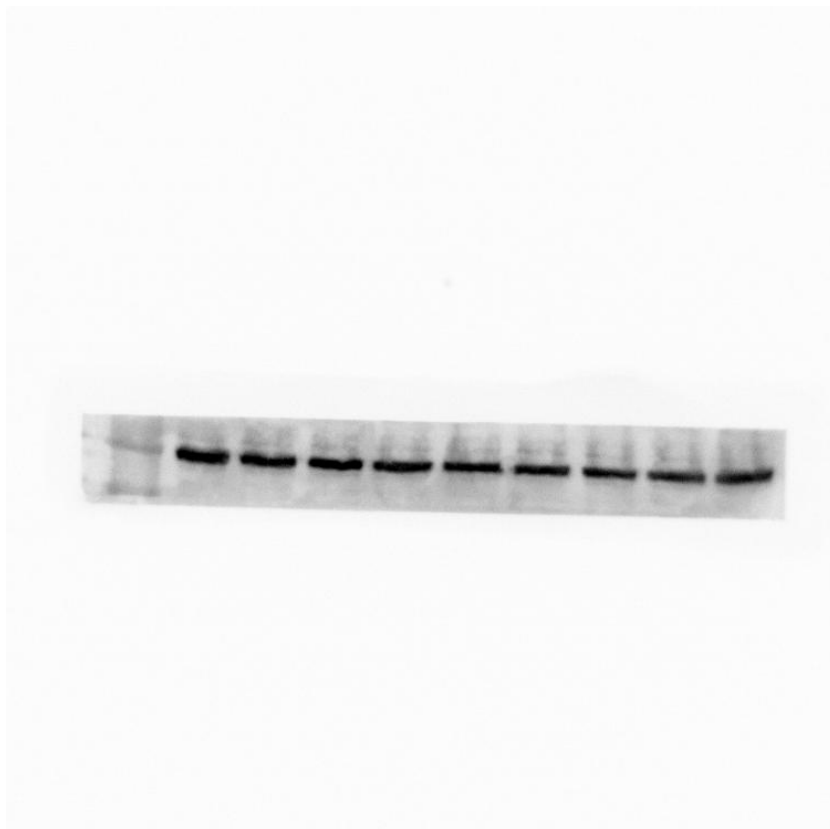
**TBK1**



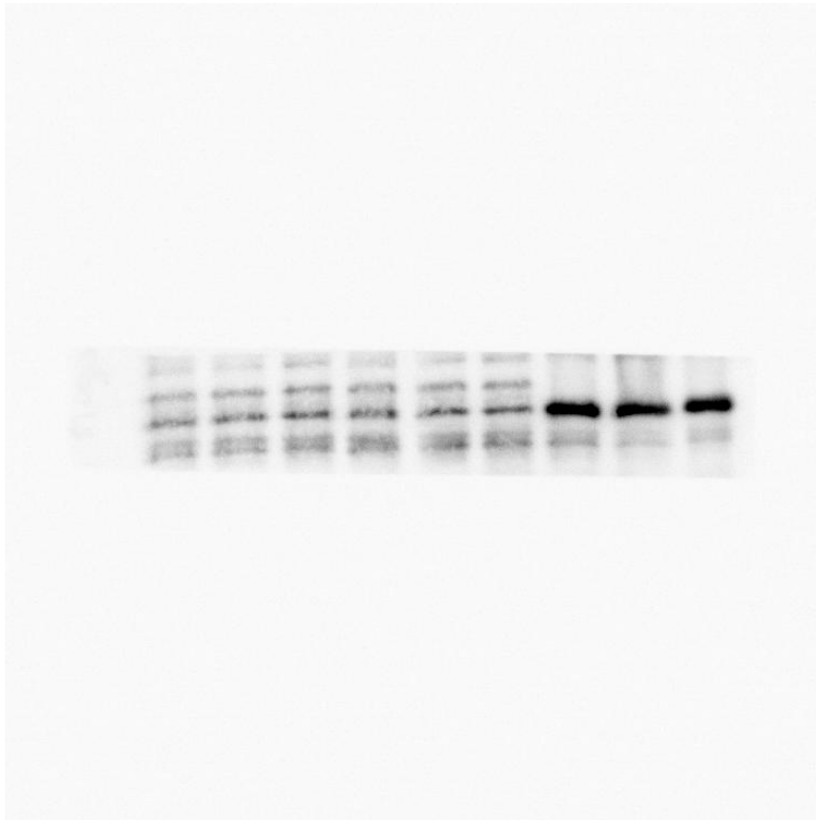
**p-IRF3**



**IRF3**



**STING**



**GAPDH**



**FigS1B**

**MMA-IP**



**GFP-IP**



**GFP-Input**



**ACTIN**



**FigS1D**

**Human**

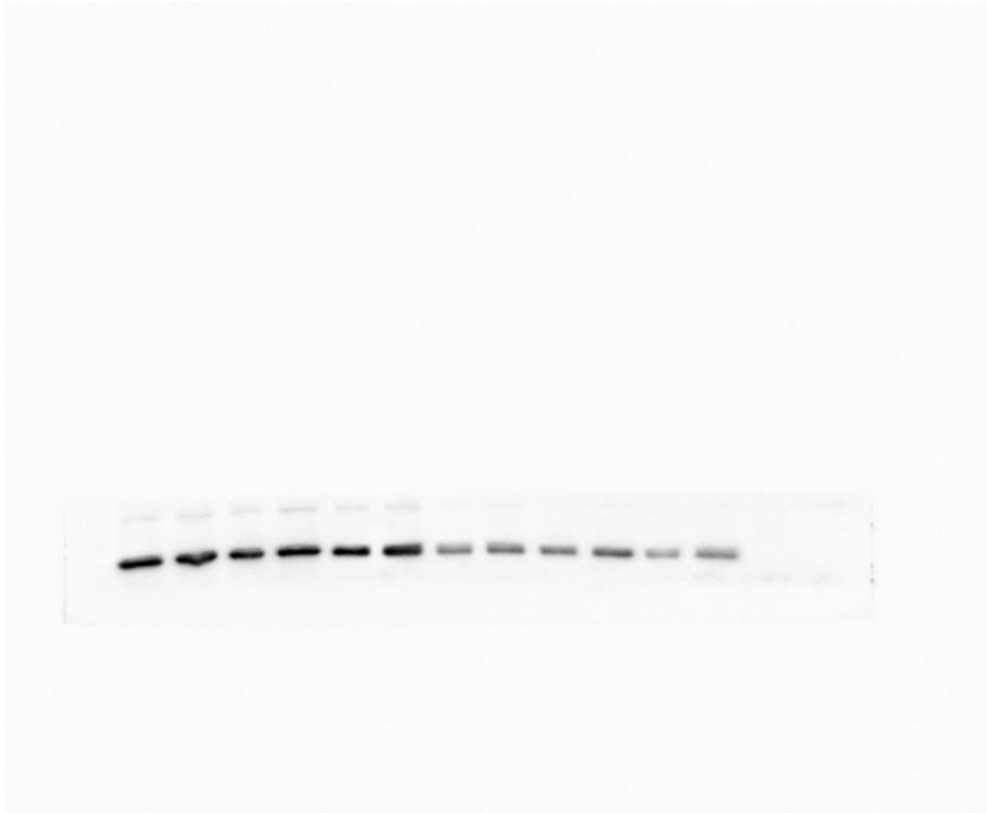


**Rat**



**FigS1E**

**FBXO7me**

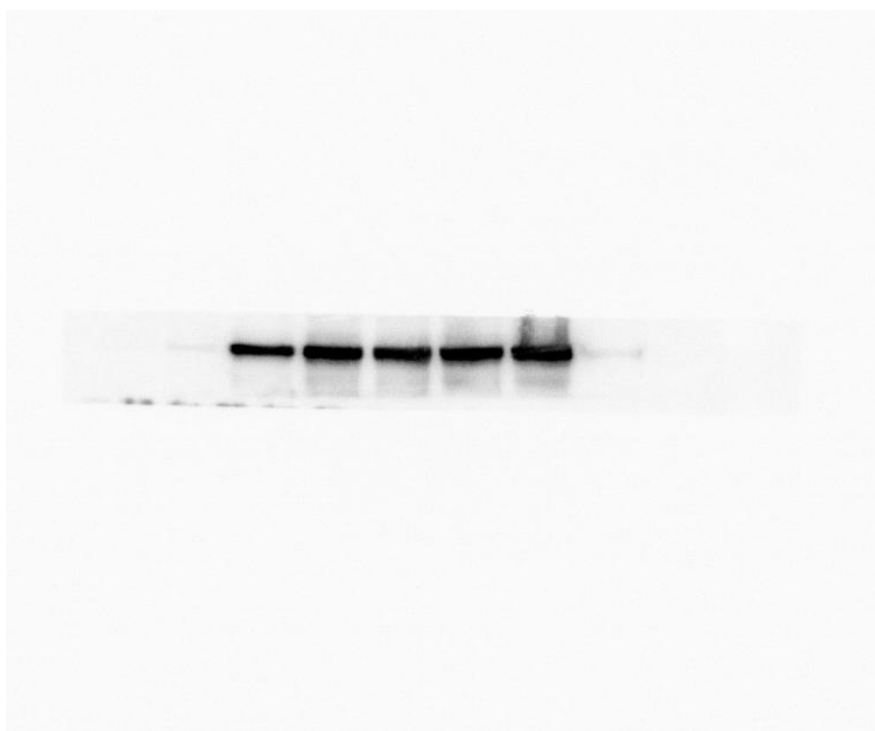


**GAPDH**

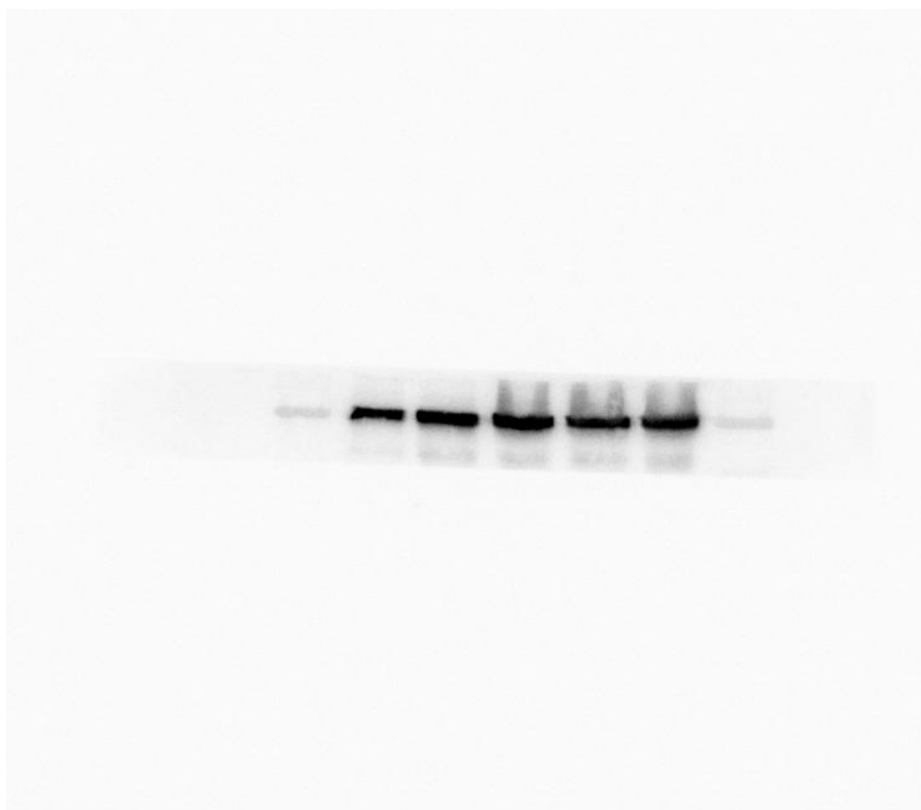


**FigS2A**

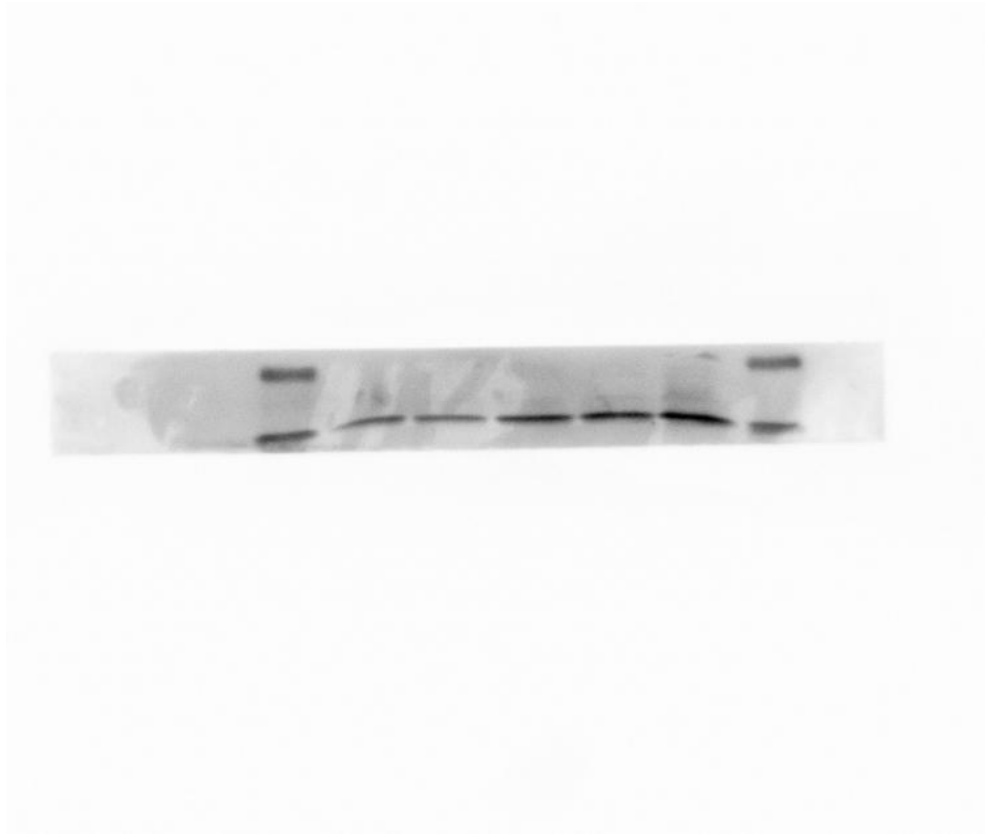
**P53**



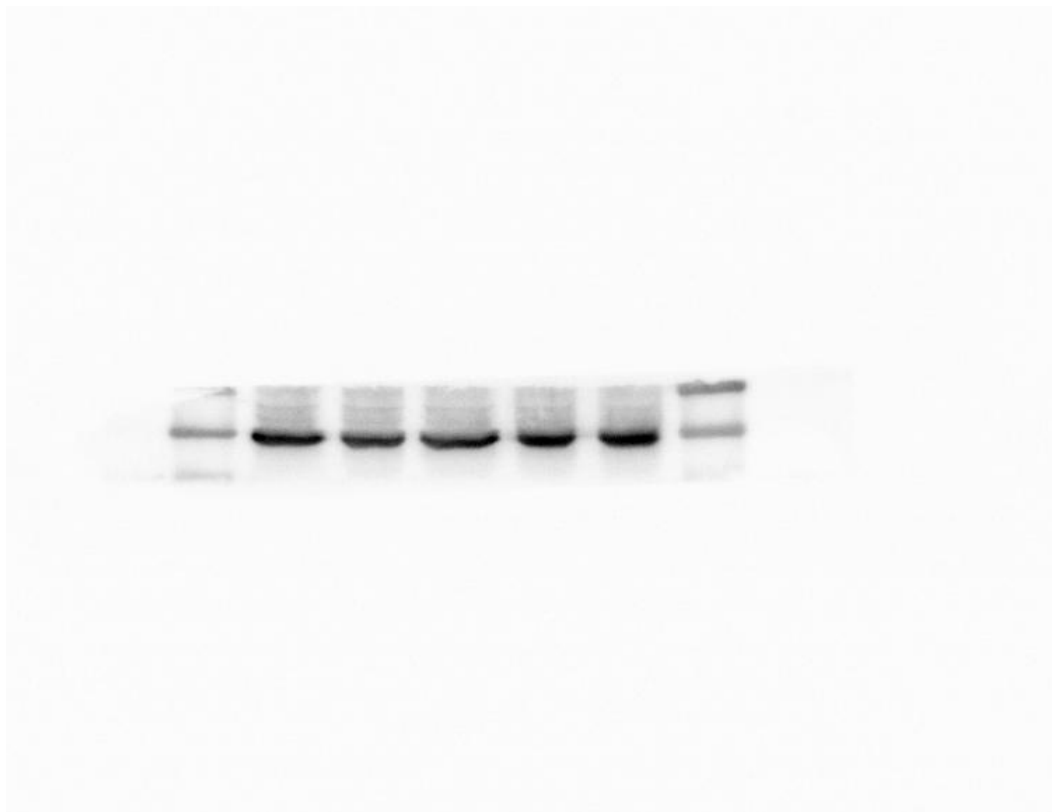
**P21**



**P16**



**Tubulin**

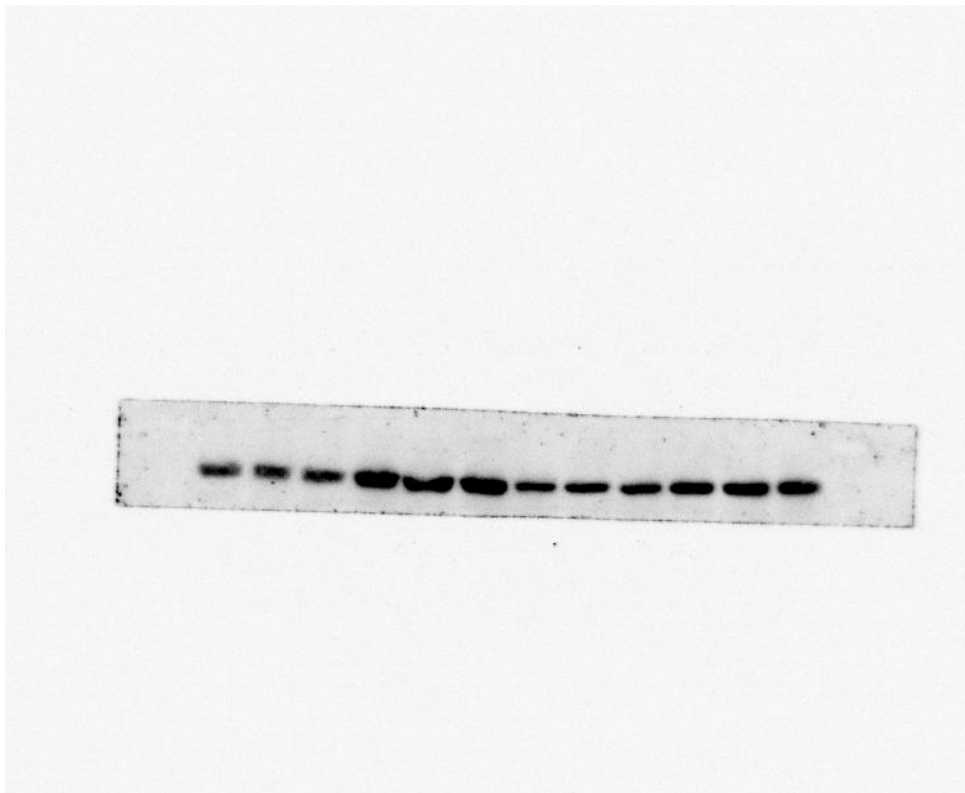


**FigS2H**

**PP53**



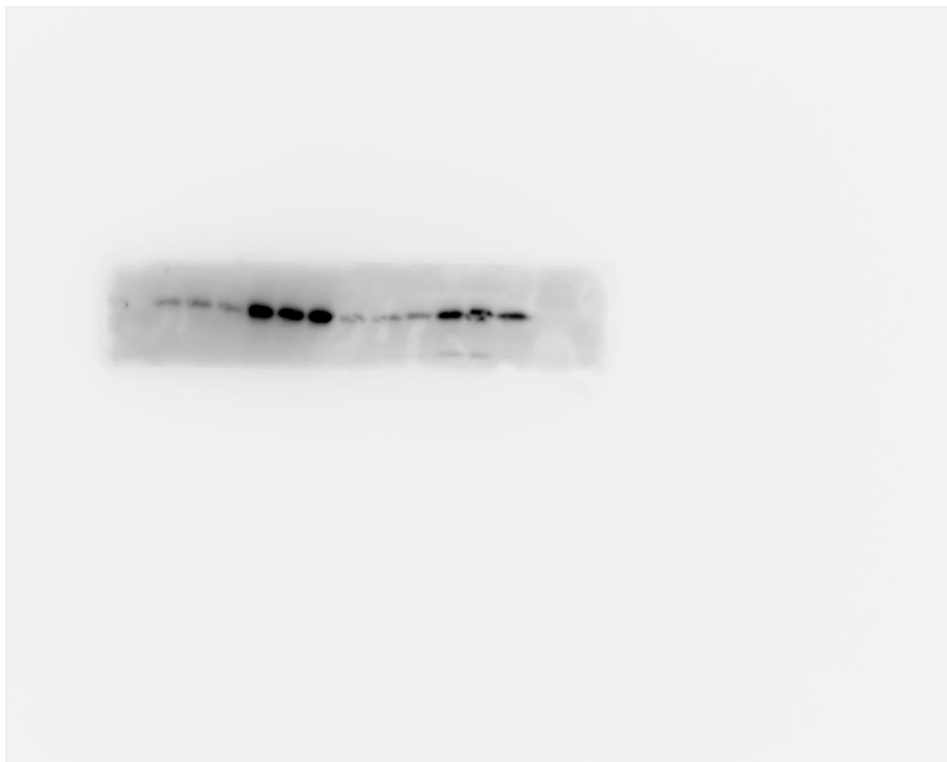
**P53**



**P21**



**P16**



**GAPDH**



**FigS3A**

**HA-IP**



## GFP-IP



## HA-Input



**GFP-Input**



**GAPDH**

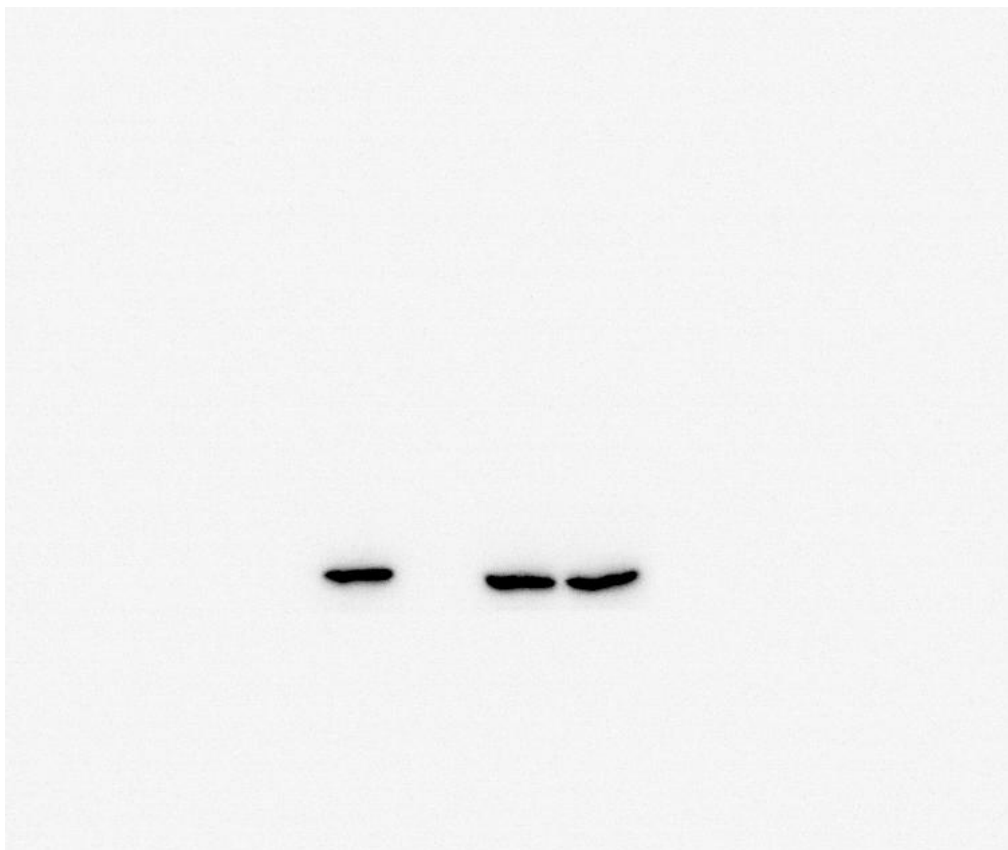


**FigS3C**

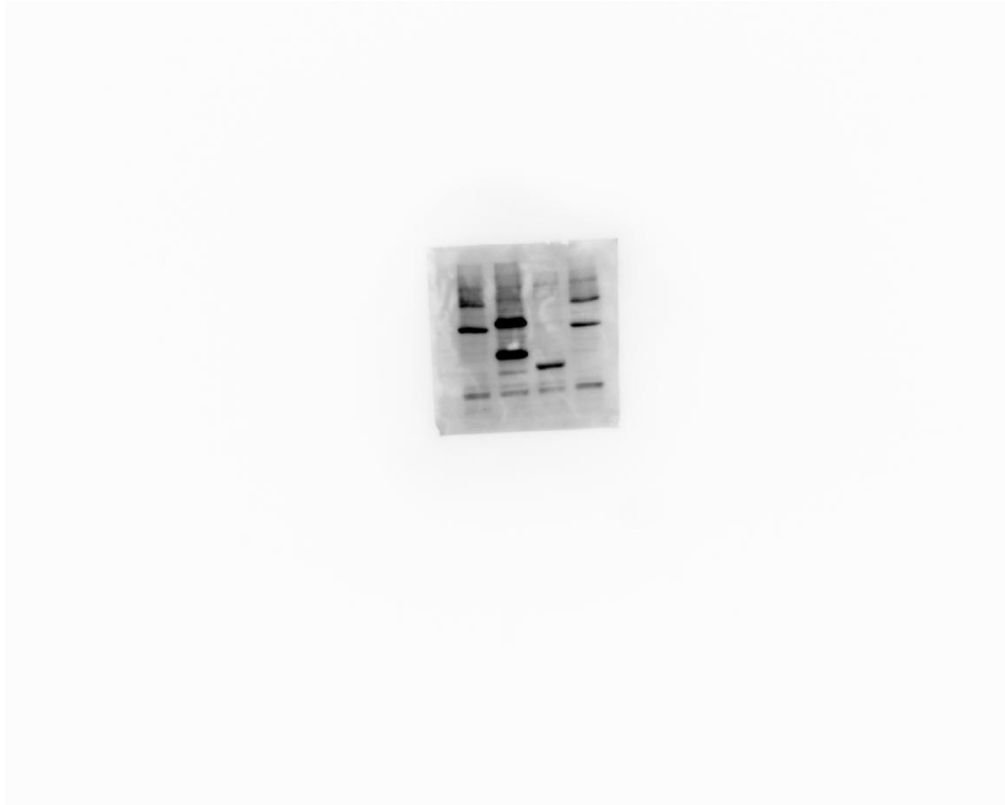
**GFP-IP**



**HA-IP**



**GFP-Input**



**HA-Input**



**FigS3D**

**PRMT2**

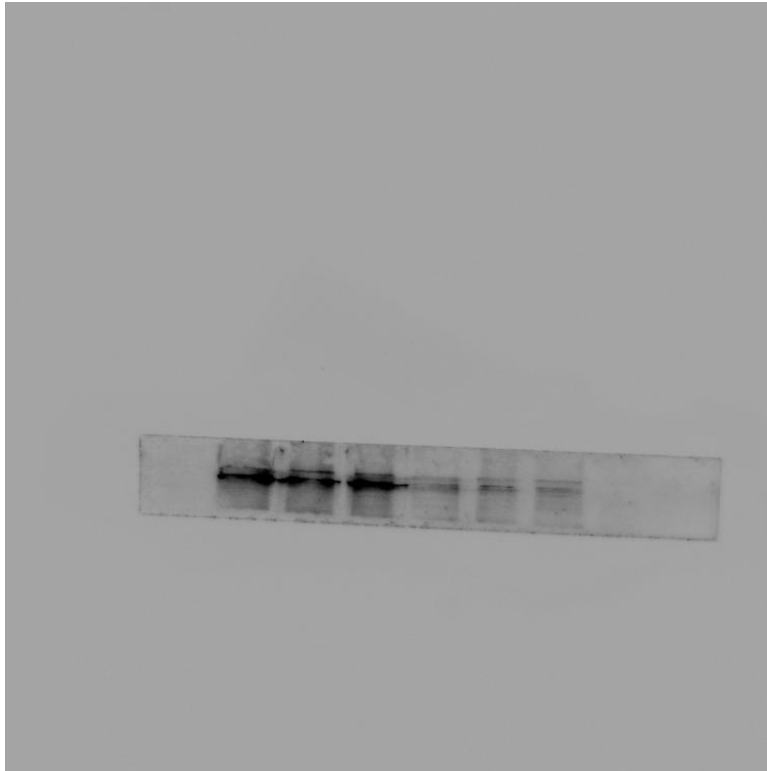


**GAPDH**

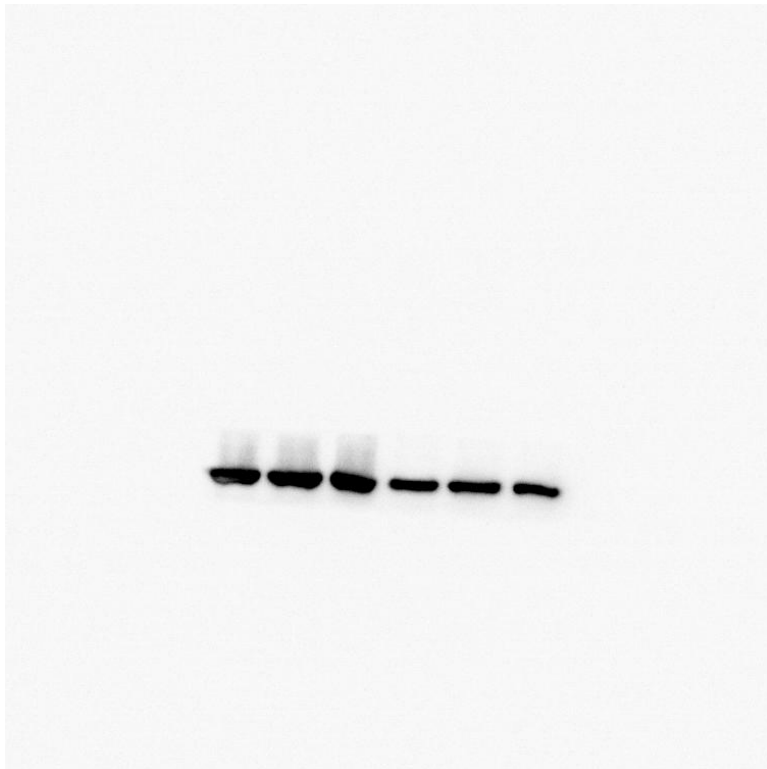


**FigS3E**

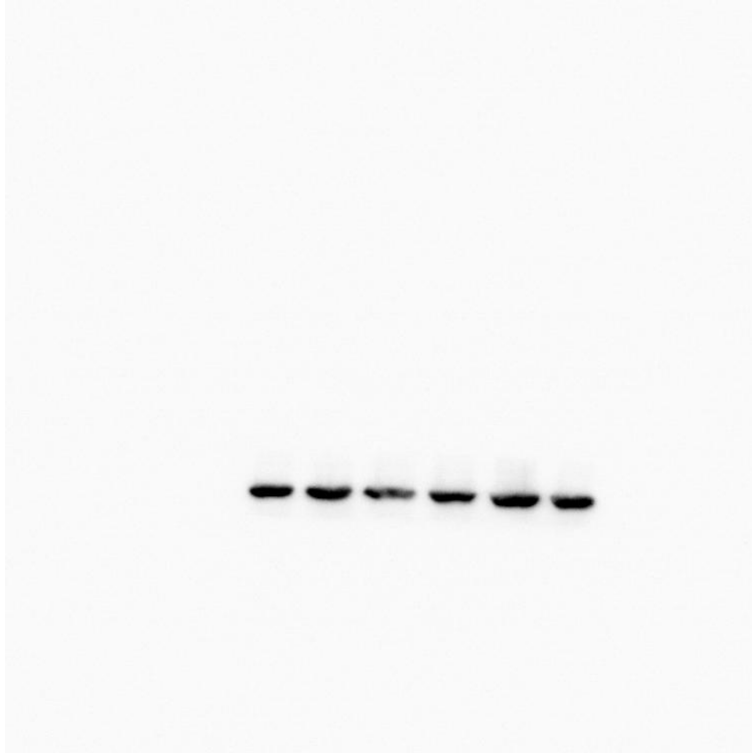
**HIF1 $\alpha$**



**PRMT2**

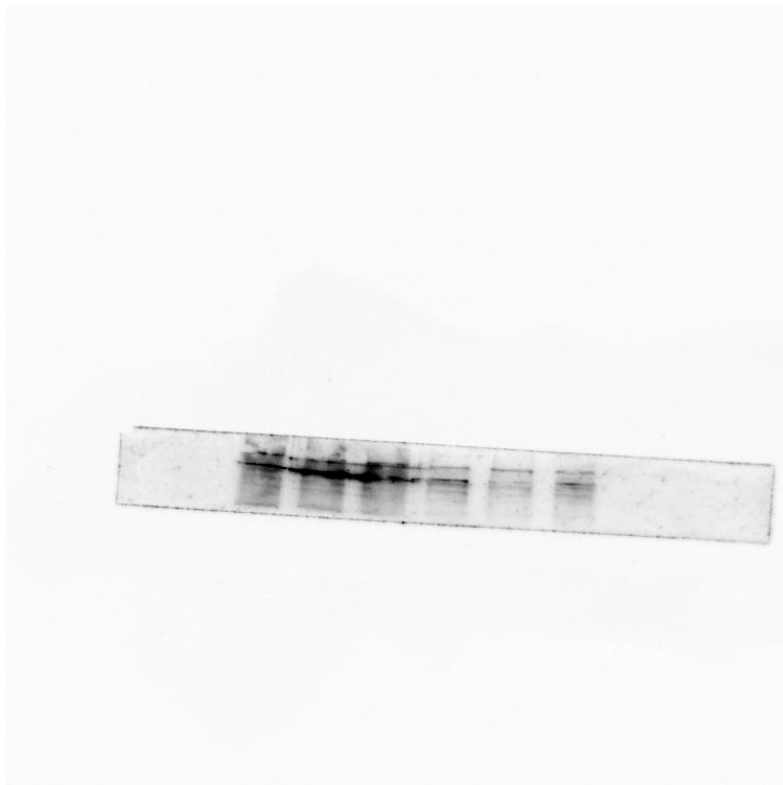


**GAPDH**

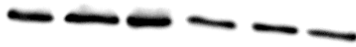


**FigS3F**

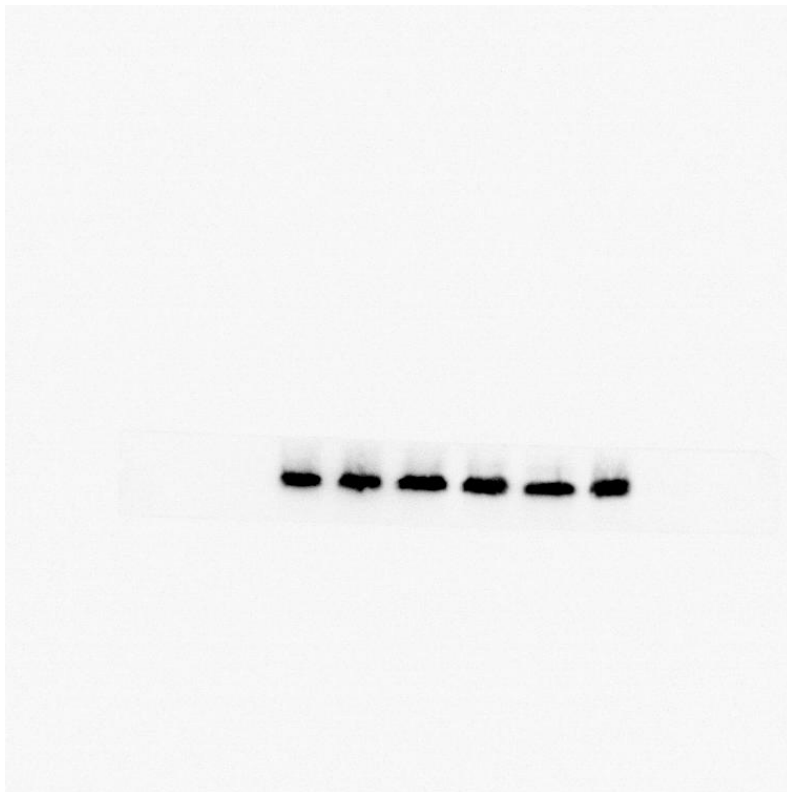
**HIF1 $\alpha$**



**PRMT2**



**GPADH**

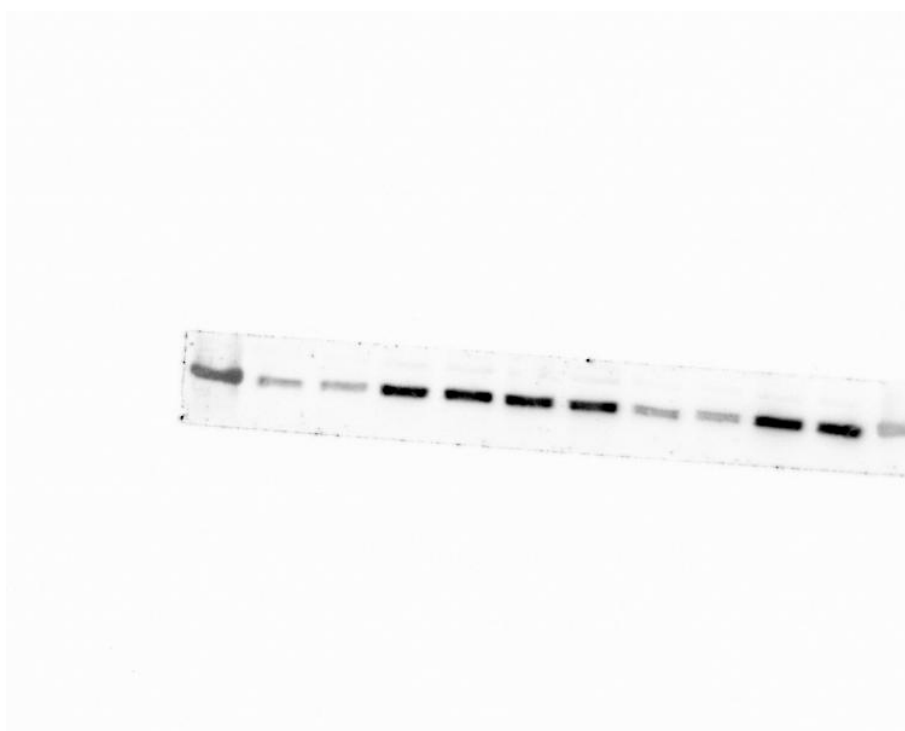


**FigS3I**

**PP53**



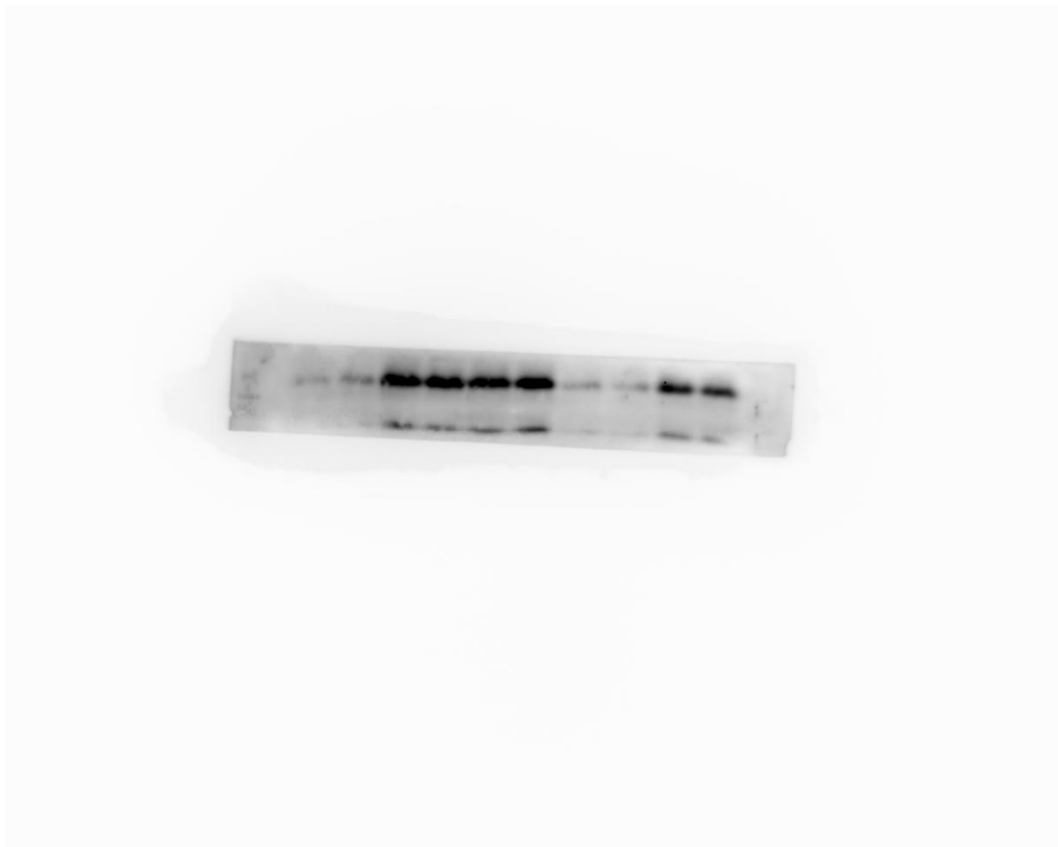
**P53**



**P21**



**P16**



**GAPDH**

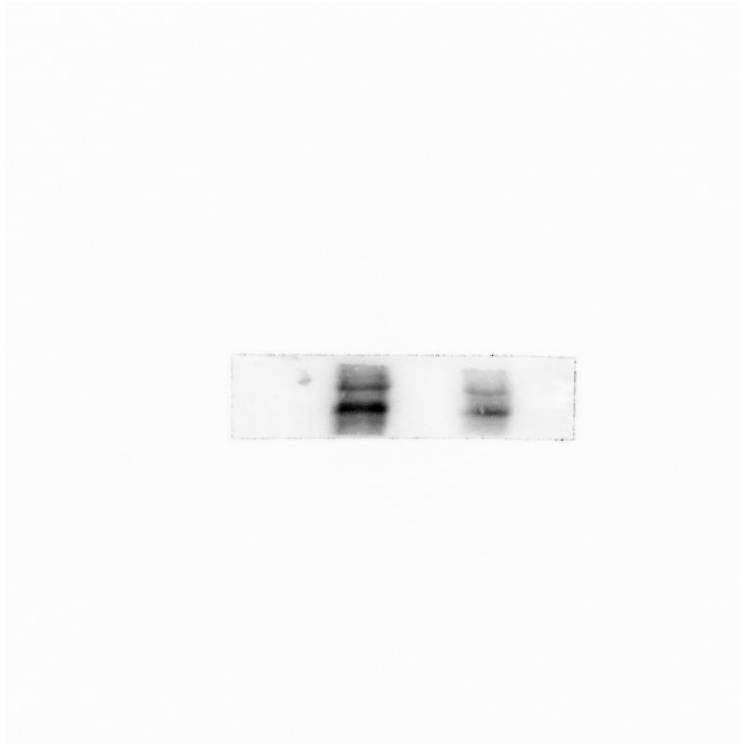


**FigS5A**

**NUMA1**



## THRAP3



## H1.2



**SEC23A**



**RPL29**



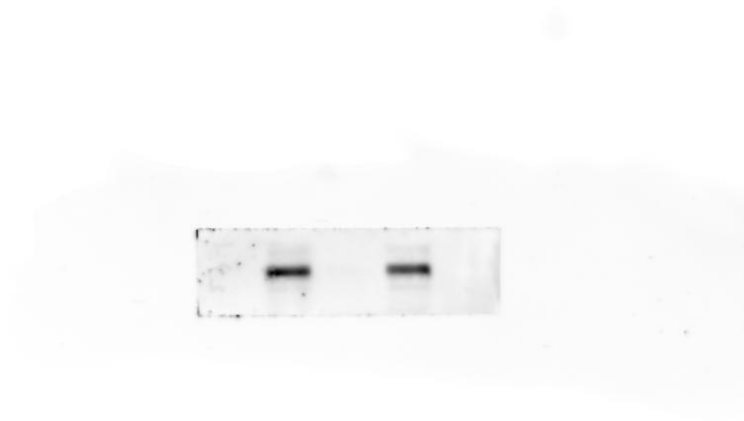
**TRA2B**



**MED12**



**FBXO7**



**FigS5B**

**Flag-IP**



## GFP-IP



## Flag-Input



**GFP-Input**

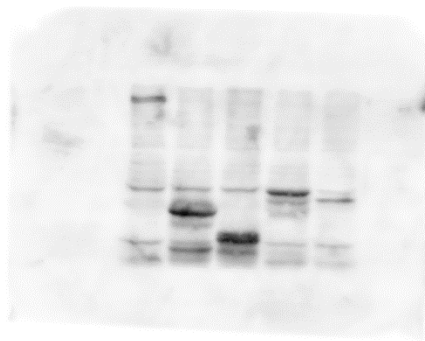


**GAPDH**



**FigS5D**

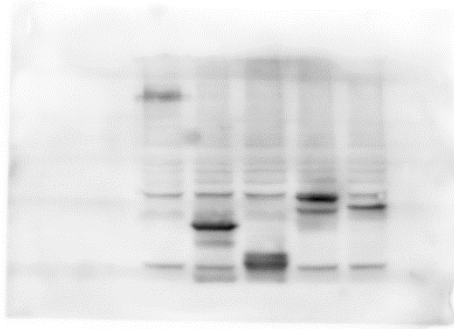
**Flag-IP**



**GFP-IP**



## Flag-Input



## GFP-Input



**GAPDH**



**FigS5E**

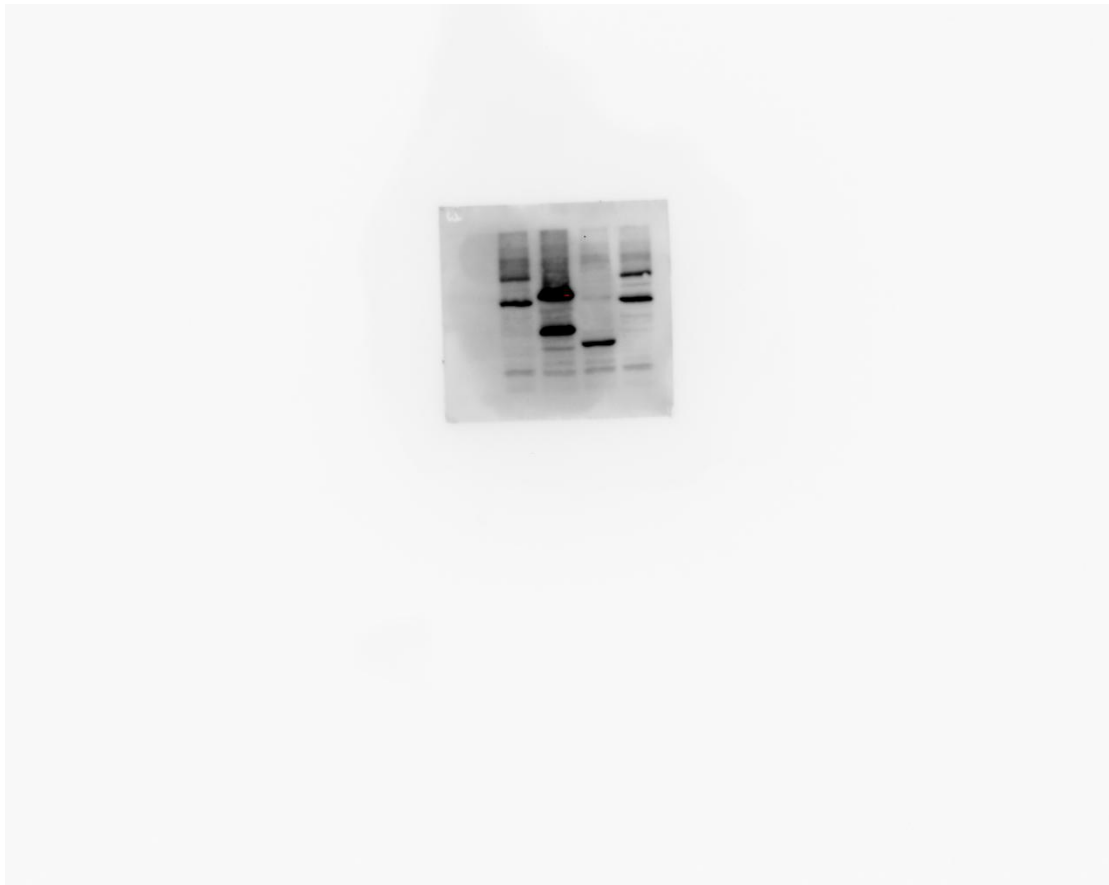
**GFP-IP**



### Flag-IP



### GFP-Input



**Flag-Input**

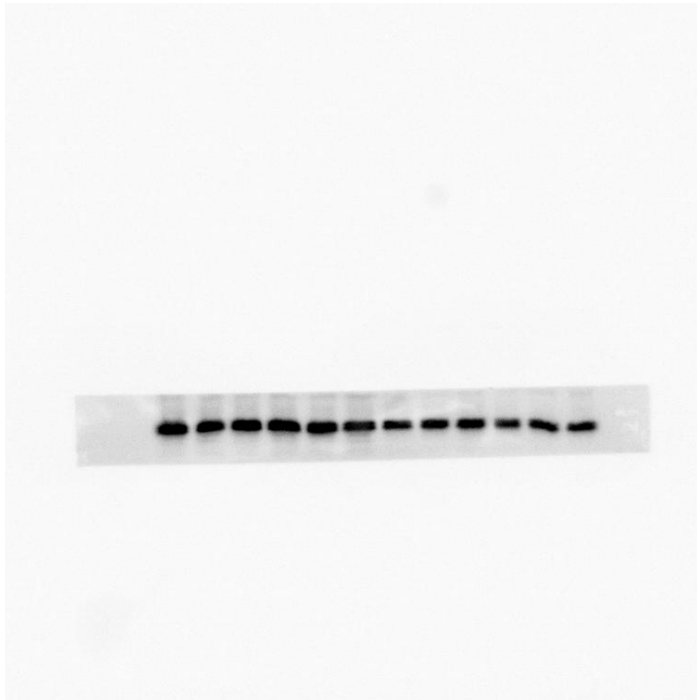


**GAPDH**



**FigS5F**

**MED12**



**$\gamma$ H2A**



**P21**



**GAPDH**



**FigS5H**

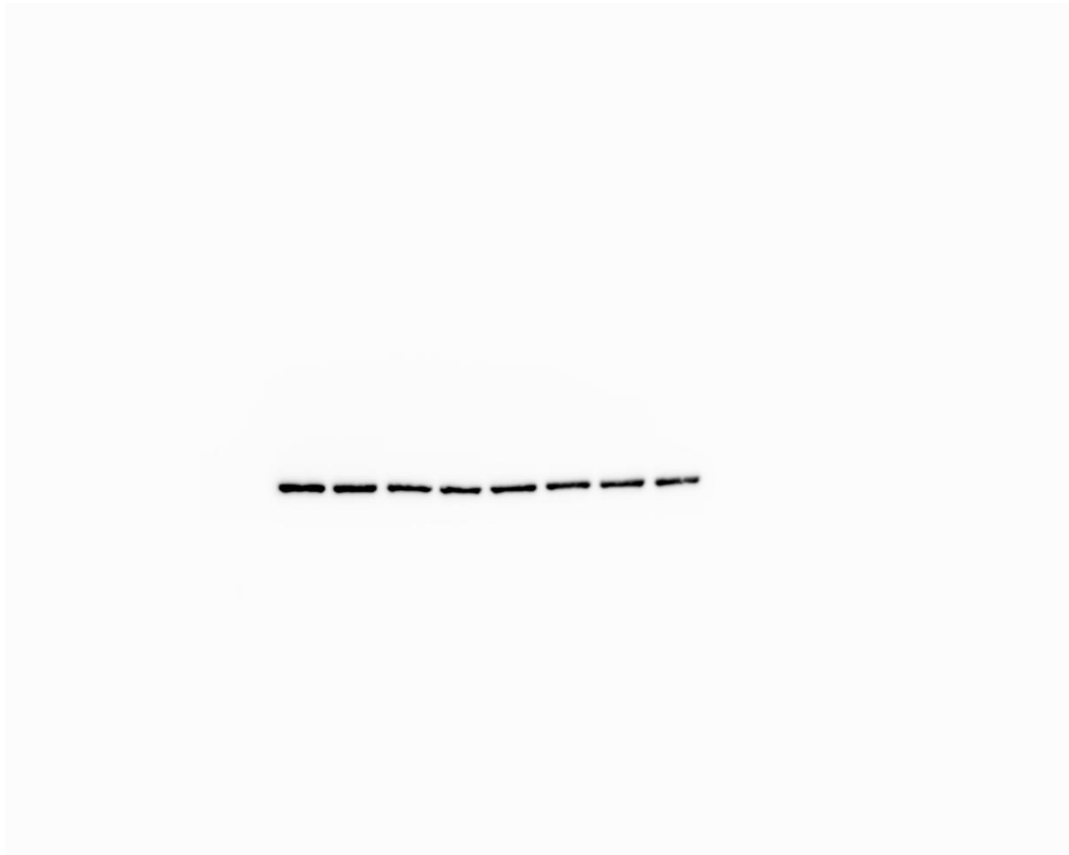
**WT-MED12**



**WT-GAPDH**



**RF-MED12**



**RF-GAPDH**



**FigS7A**

**MED12**

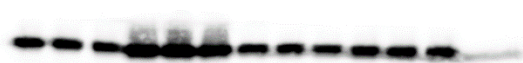


**GAPDH**

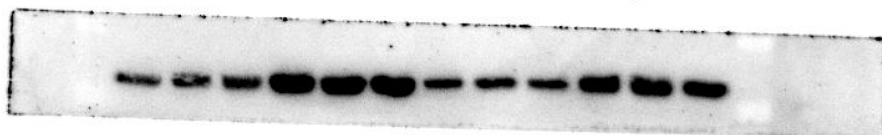


FigS7C

PP53



P53



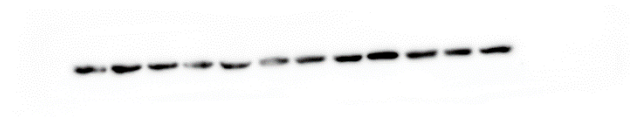
**P21**



**P16**

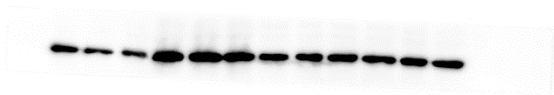


**GAPDH**

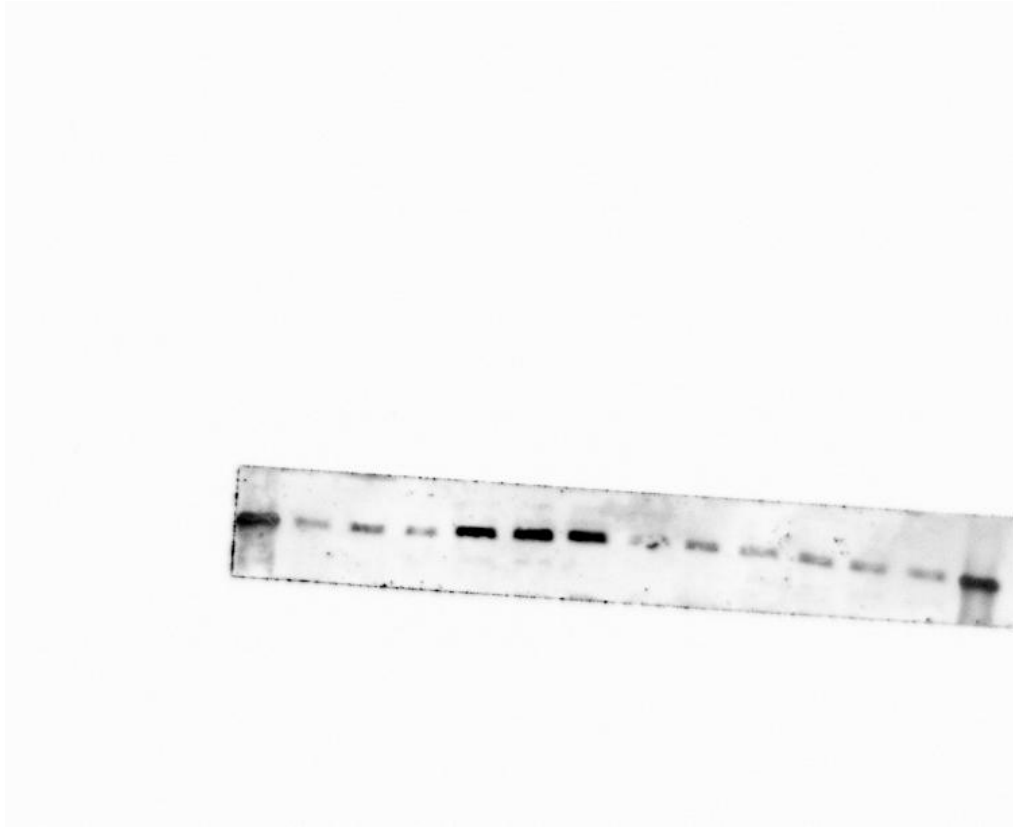


**FigS8A**

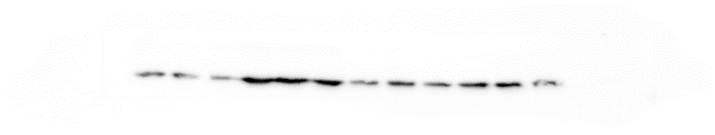
**PP53**



P53



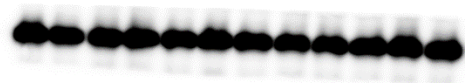
P21



**P16**

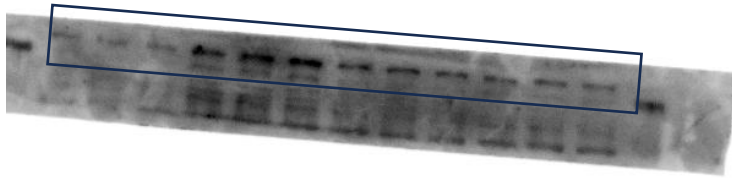


**GAPDH**

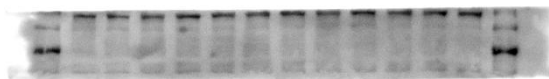


**FigS8B**

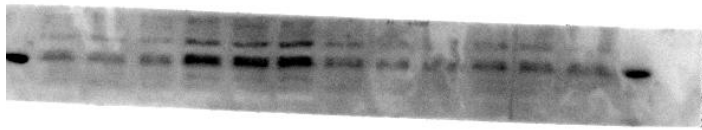
**p-TBK1**



**TBK1**



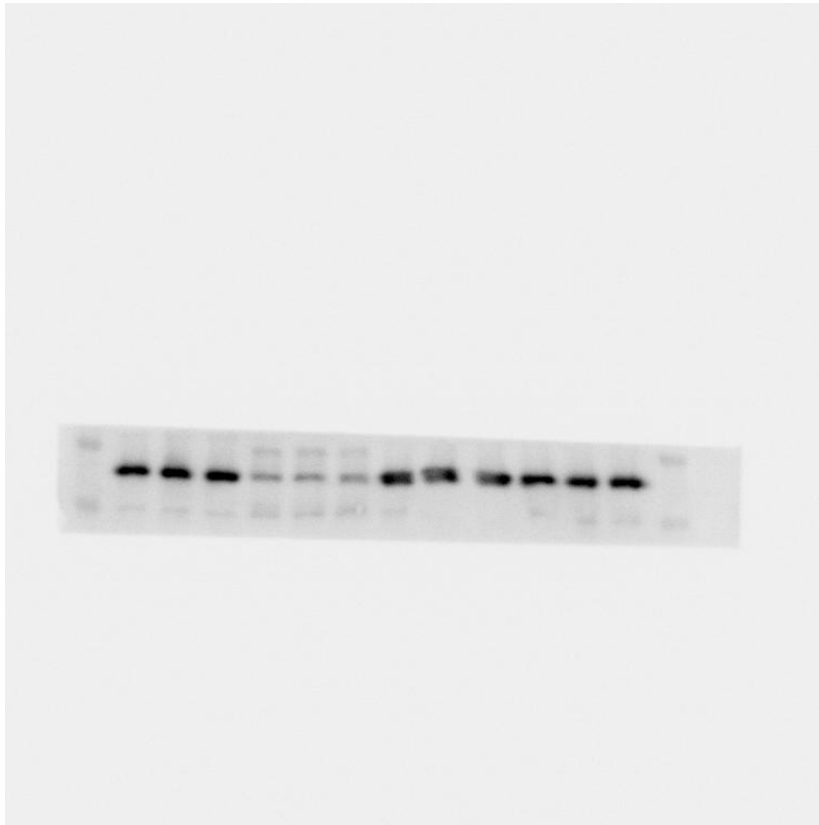
**p-IRF3**



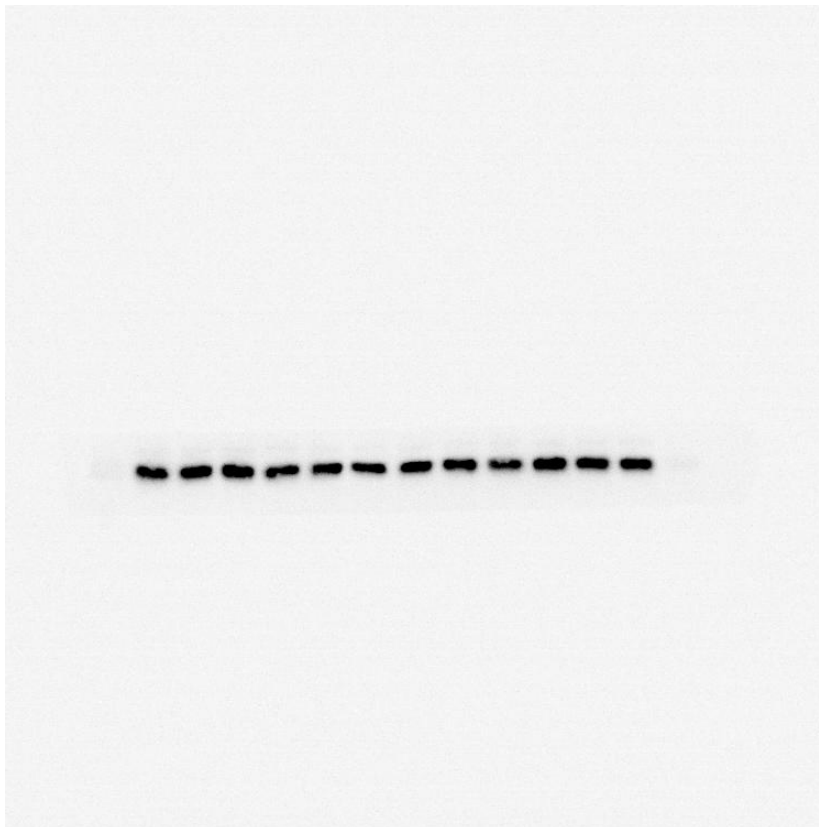
**IRF3**



**STING**



**GAPDH**



**FigS9A**

**PRMT2**



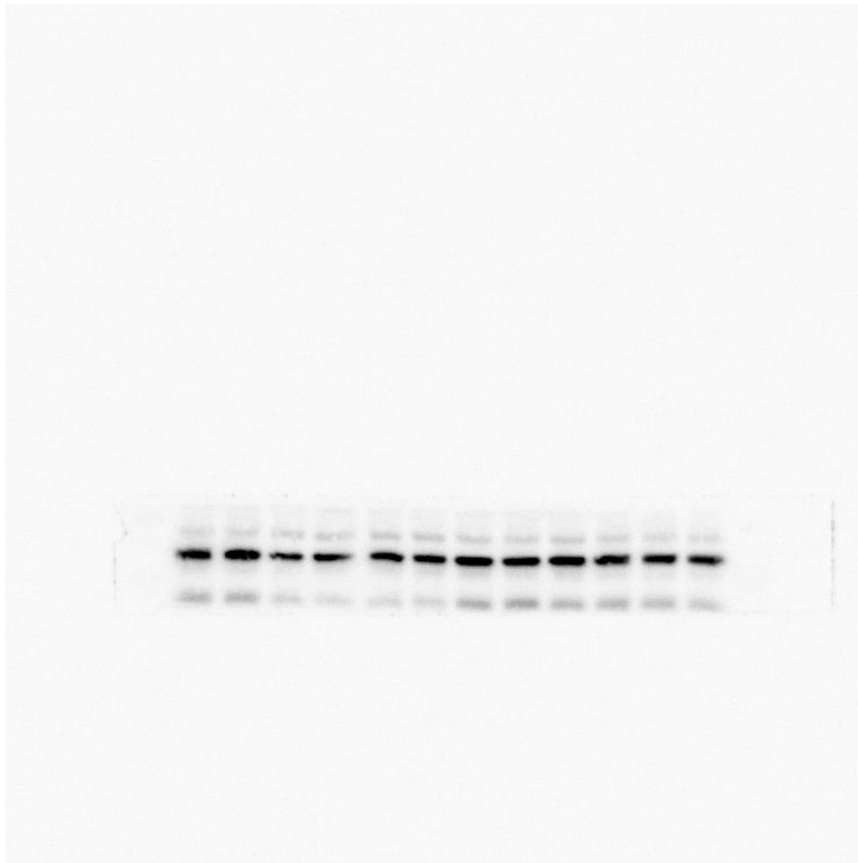
**GAPDH**



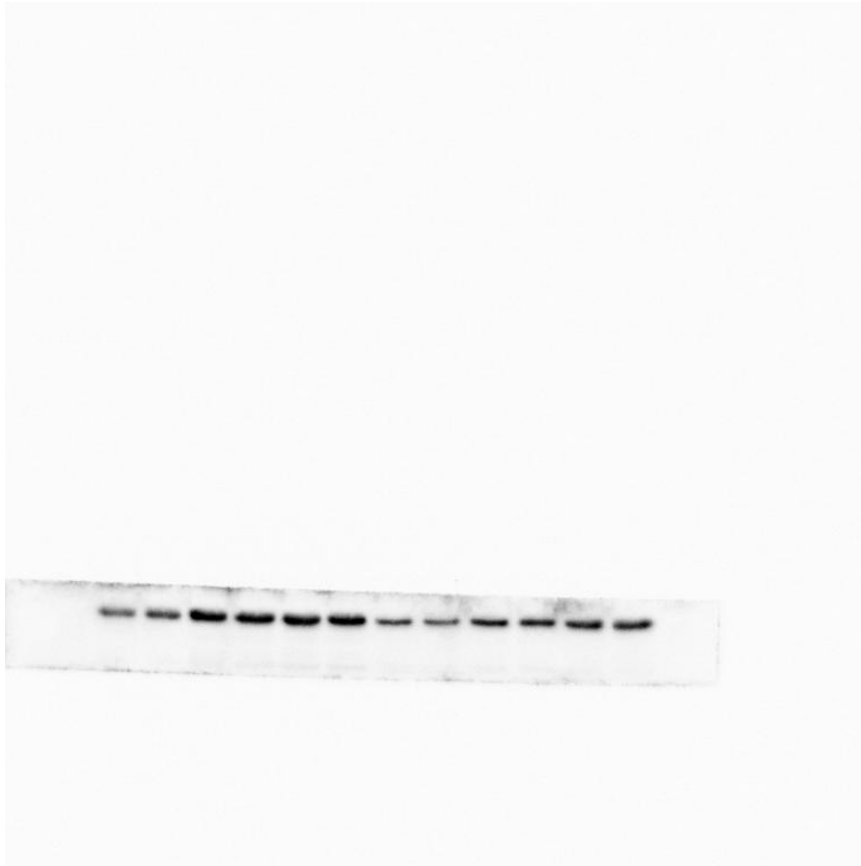
**p-TBK1**



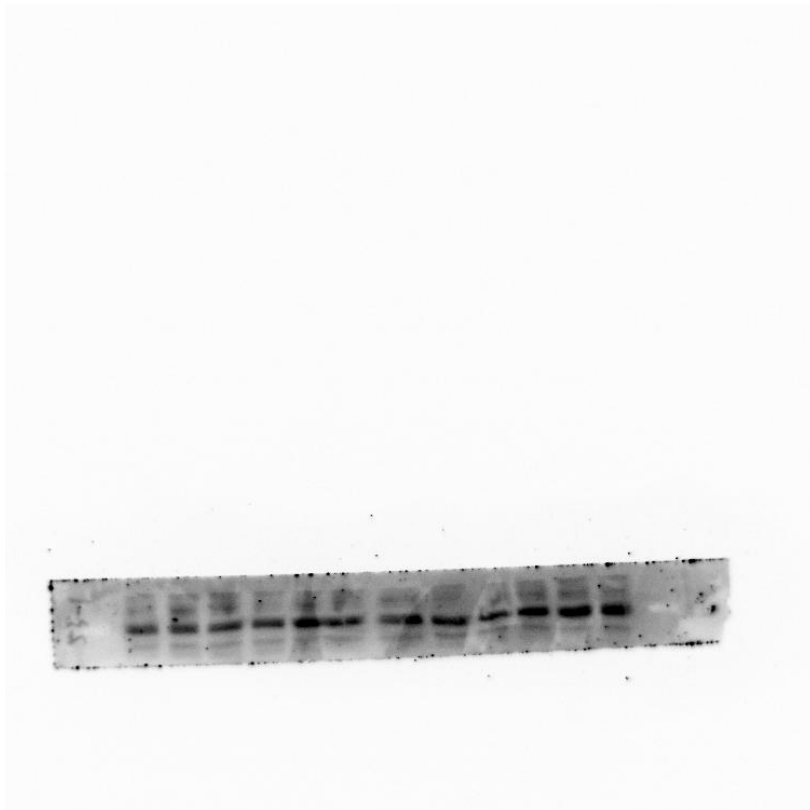
**TBK1**



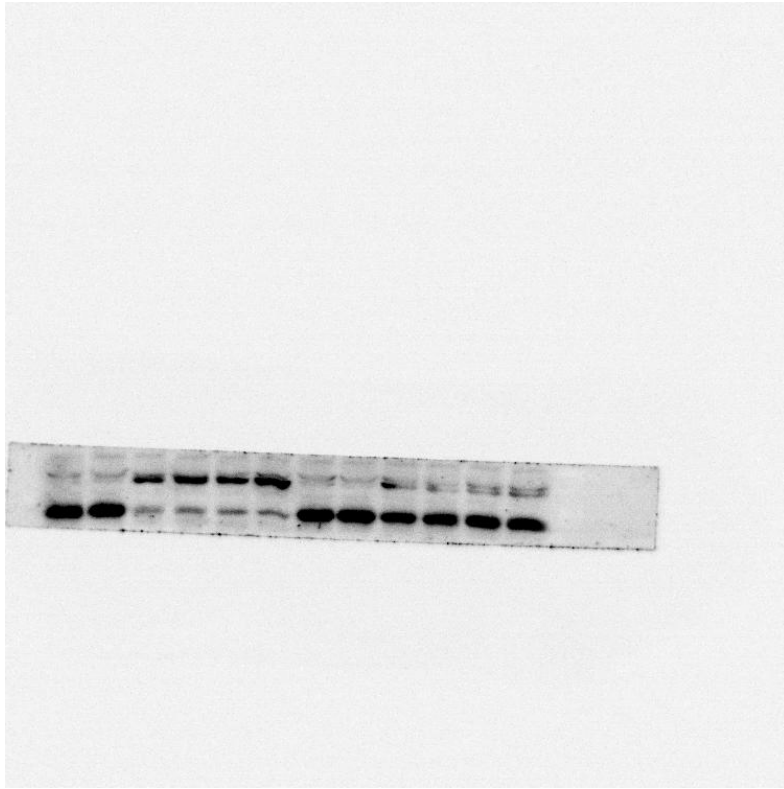
**p-IRF3**



**IRF3**



**STING**



**GAPDH**

