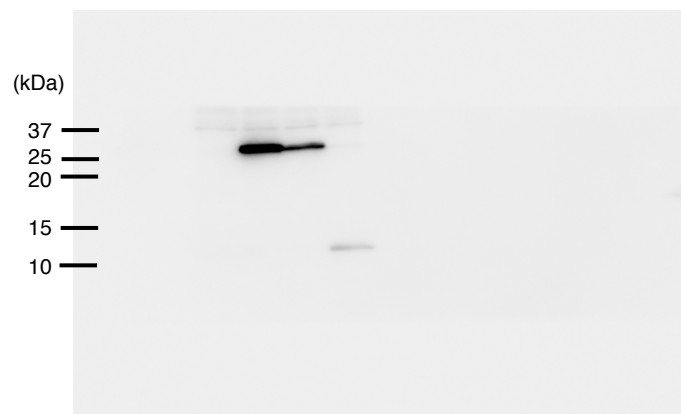


**Fig. 2A**



**IB: FLAG(Sig1R)**



**IB: actin**

**Fig. 2B**



**Wild type**



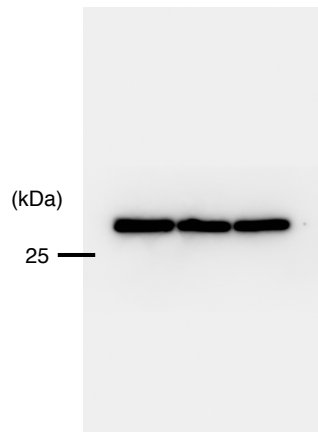
**E102Q**



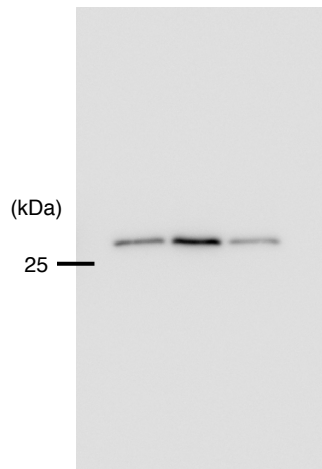
**L95fs**

**IB: FLAG(Sig1R)**

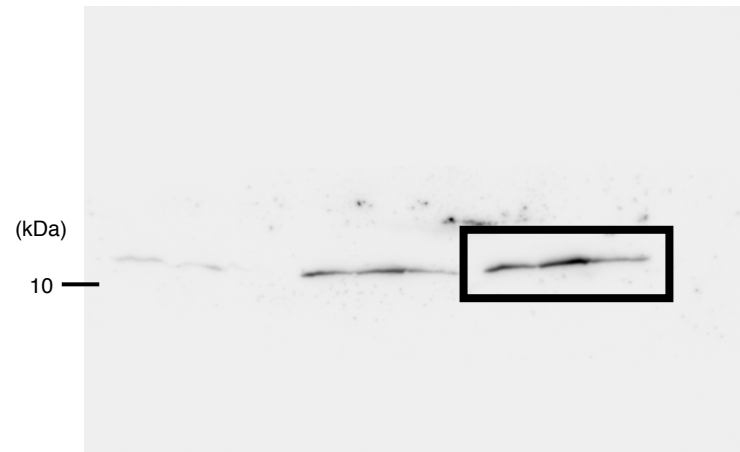
**Fig. 2C**



**Wild type**



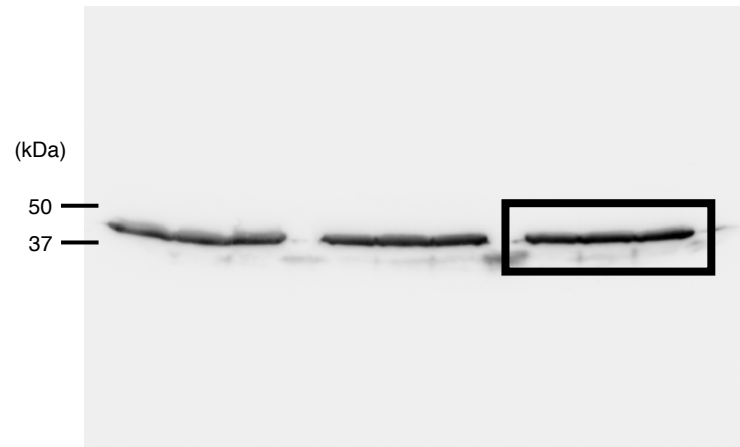
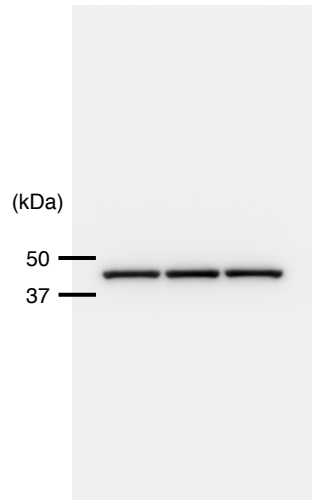
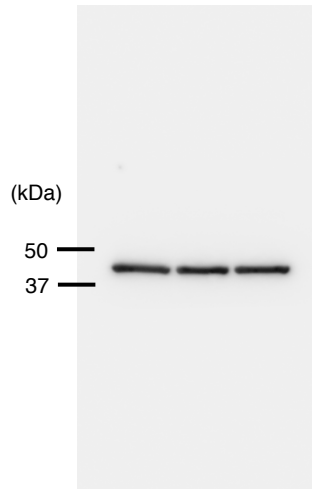
**E102Q**



**L95fs**

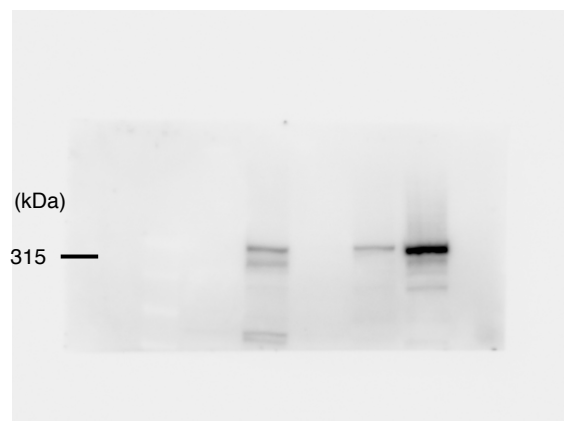
**(three independently prepared samples  
were loaded at the same time)**

**IB: FLAG (Sig1R)**

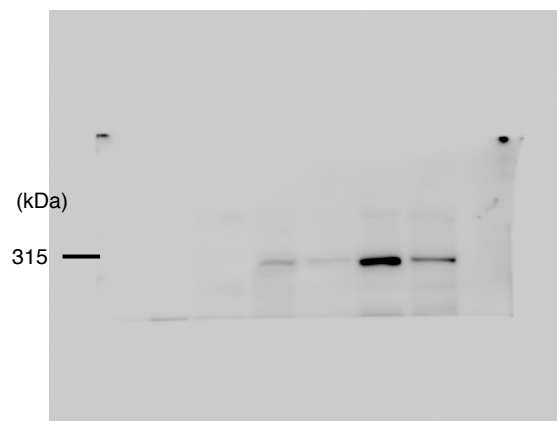


**IB: actin**

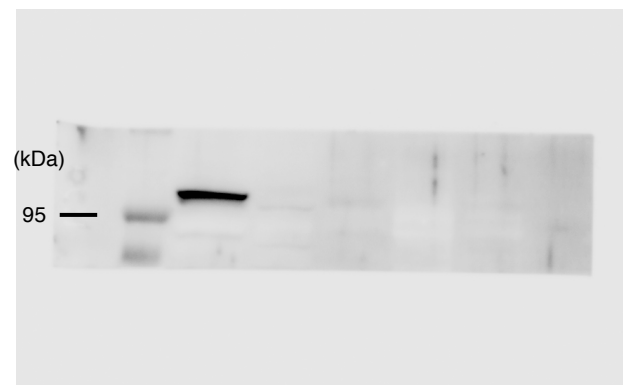
**Fig. 2E**



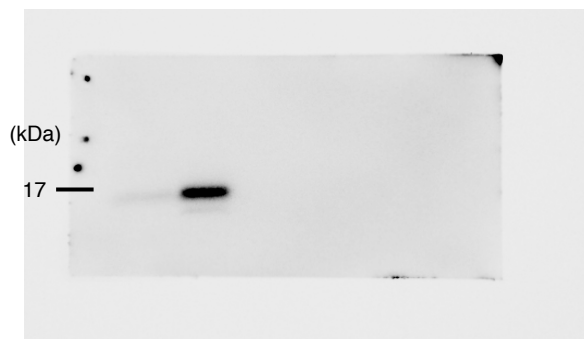
**IB: IP<sub>3</sub>R1**



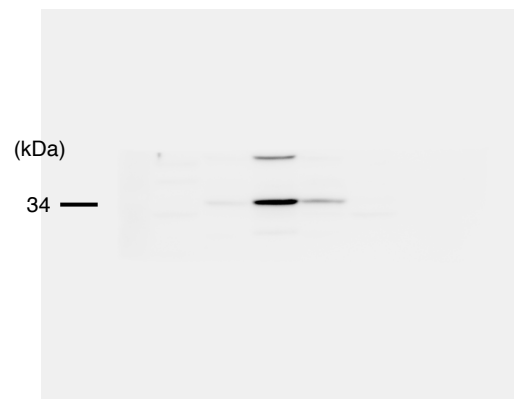
**IB: IP<sub>3</sub>R3**



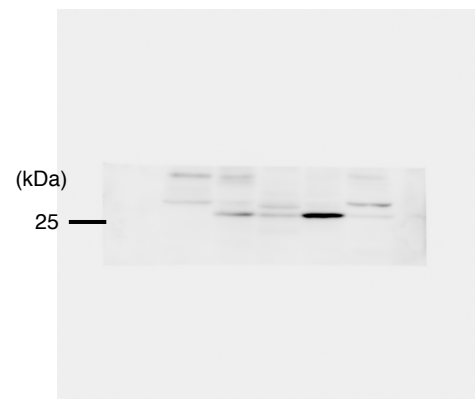
**IB: Hsp110**



**IB: Histone H3**

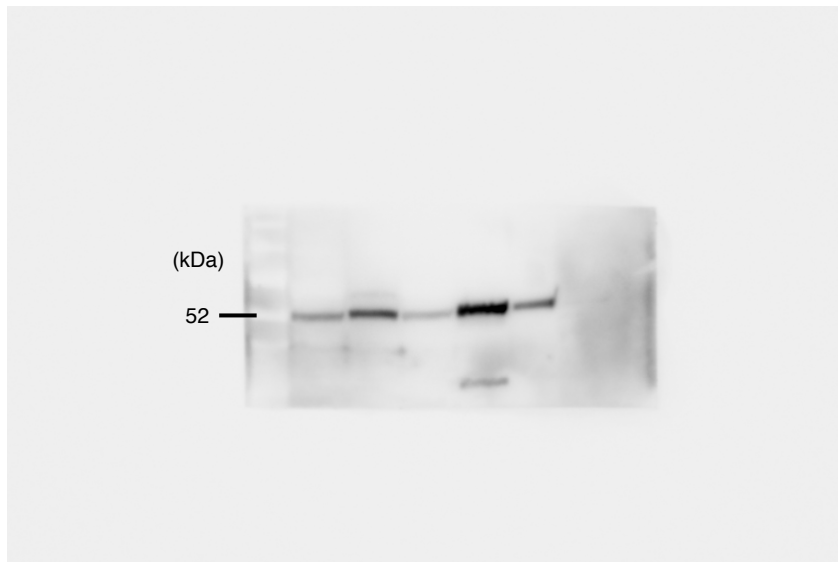


**IB: VDAC**

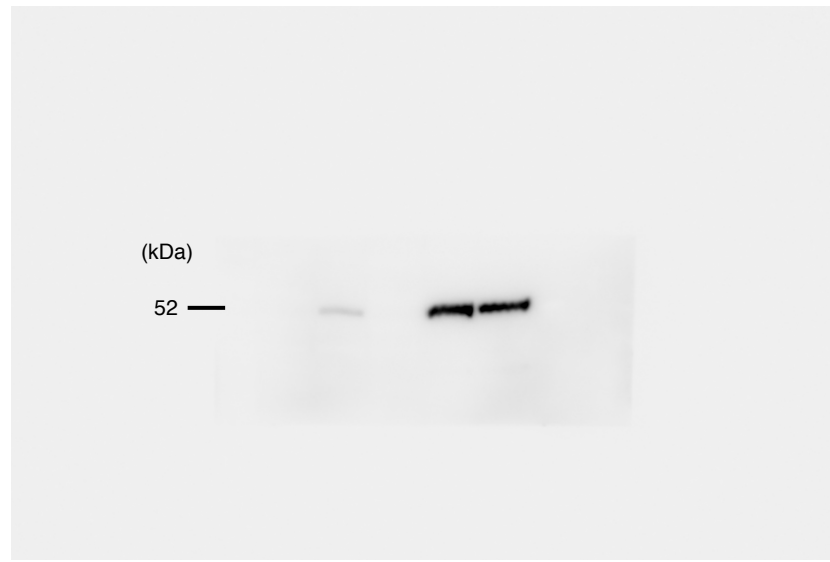


**IB: Sig1R**

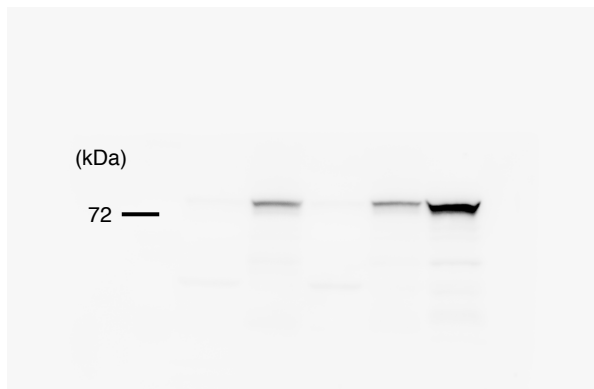
**Fig. 2E**



**IB: Calreticulin**

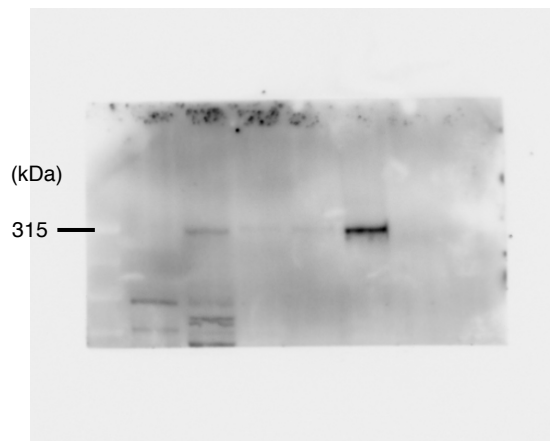


**IB: PDI**

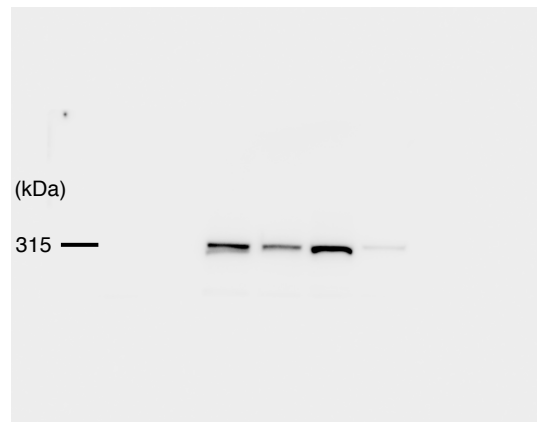


**IB: CYPOR**

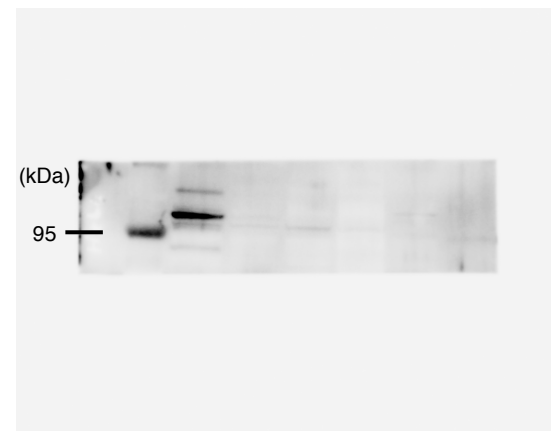
**Fig. 2F**



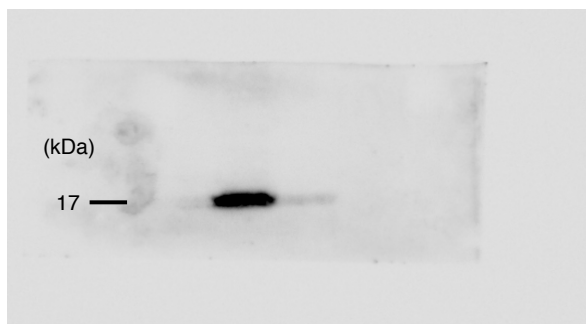
**IB: IP<sub>3</sub>R1**



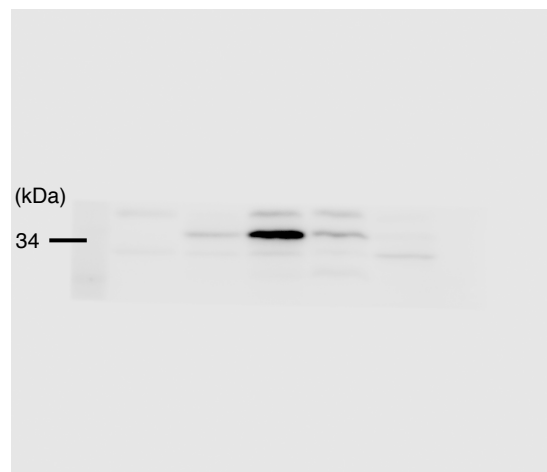
**IB: IP<sub>3</sub>R3**



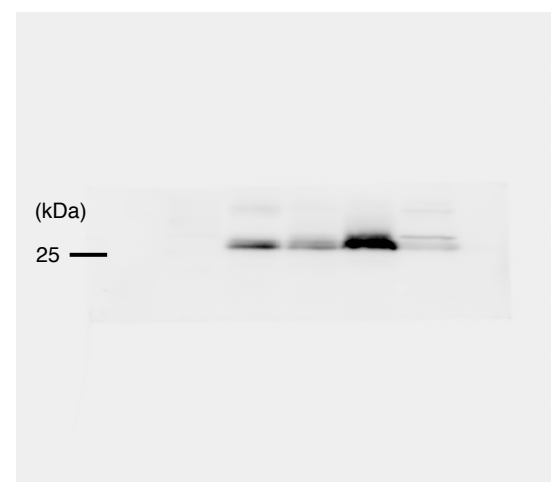
**IB: Hsp110**



**IB: Histone H3**

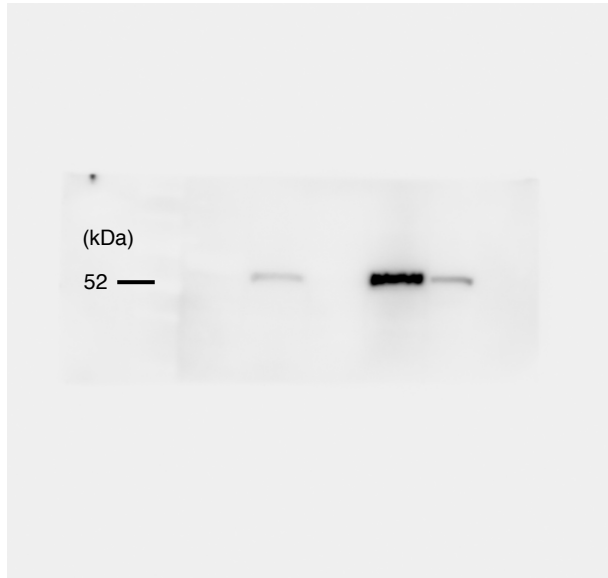


**IB: VDAC**

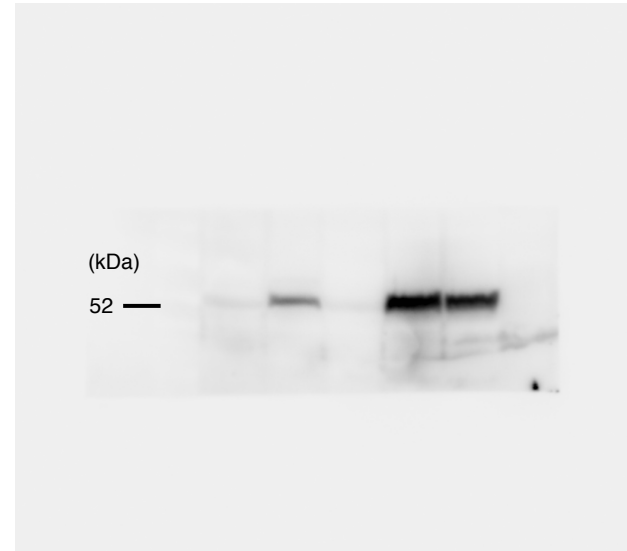


**IB: Sig1R**

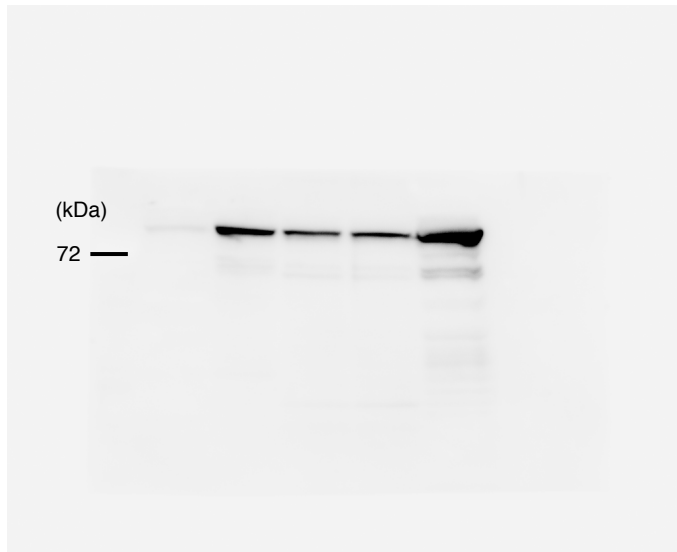
**Fig. 2F**



**IB: Calreticulin**

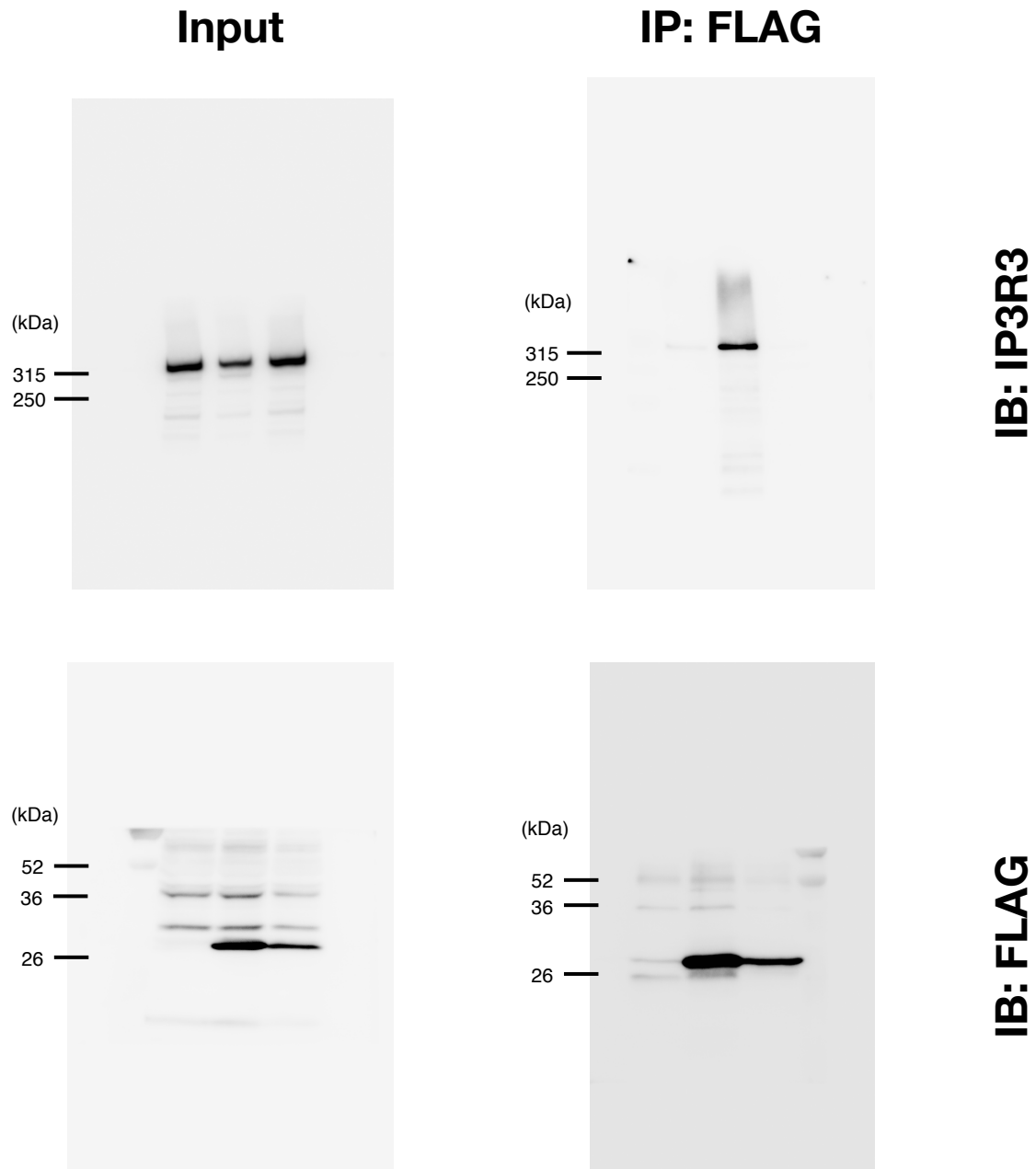


**IB: PDI**

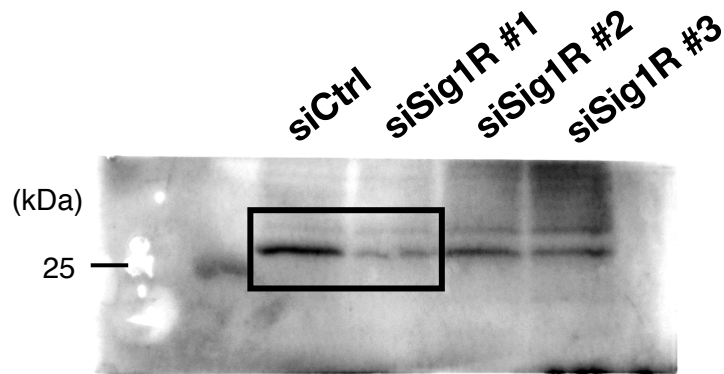


**IB: CYPOR**

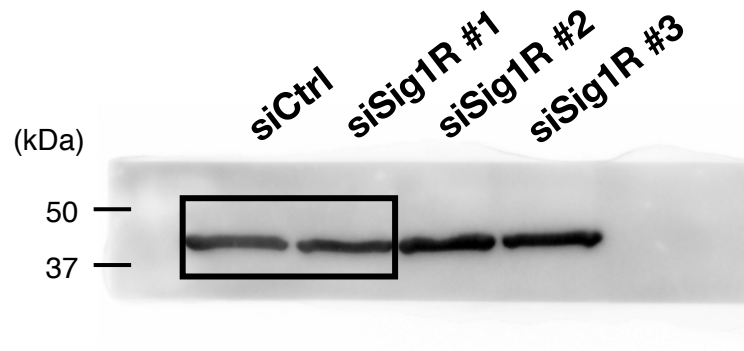
**Fig. 2G**



**Fig. 2H**



**IB: Sig1R**



**IB: actin**

\* siSig1R#1 is used in the other experiments in this study