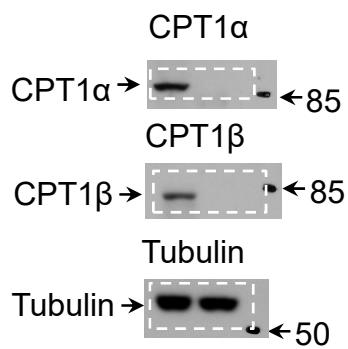


**Full scans.**

Blots, as shown in this figure, were cut into slices before incubation with primary antibodies. The Pierce™ Prestained Protein MW Marker, Cat. 26612, from ThermoFisher Scientific, was used as the protein marker.

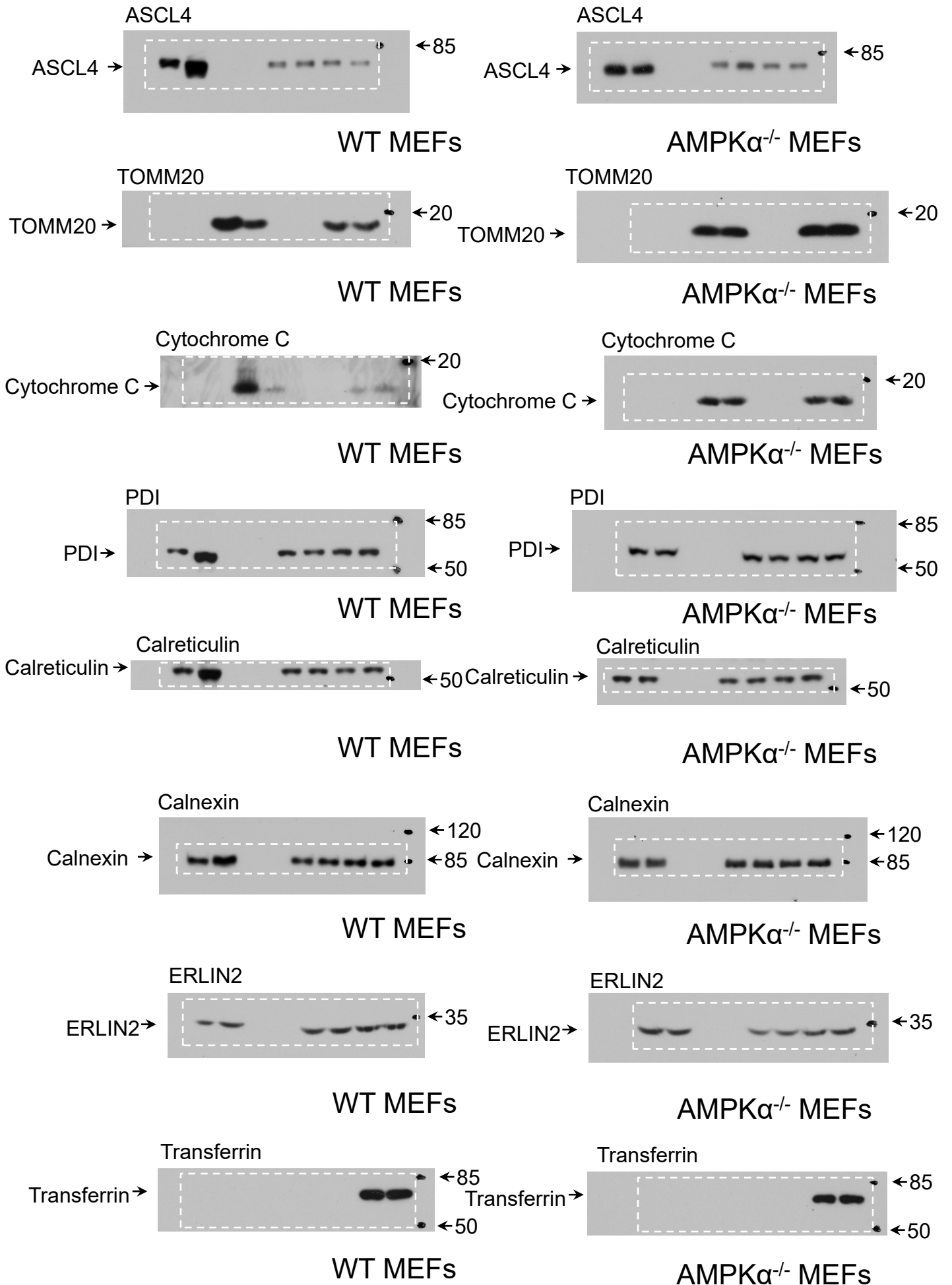
**Fig. 1p**



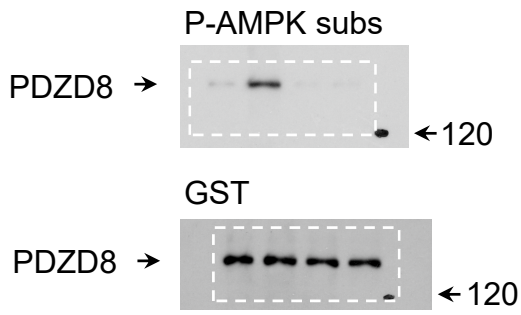
MEFs

**Fig. 2a left**

**Fig. 2a right**

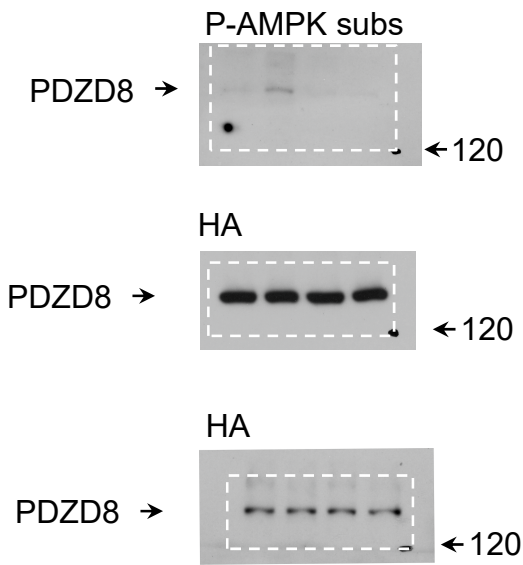


**Fig. 2c**



In vitro kinase assay

**Fig. 2d**

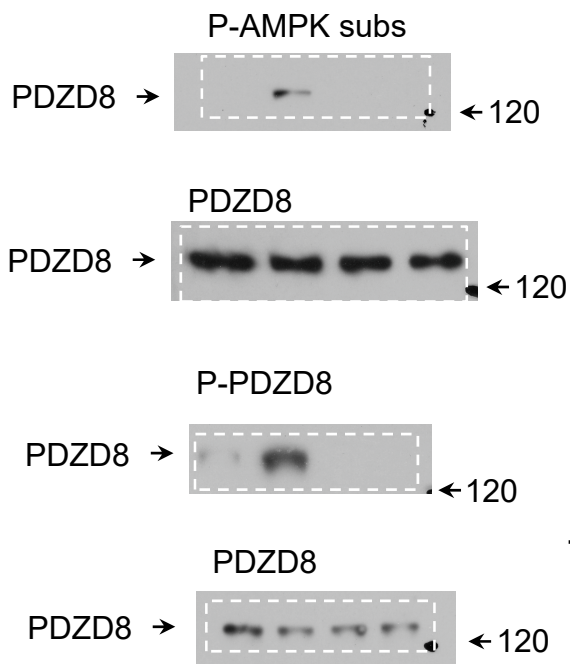


IP

*PDZD8*<sup>-/-</sup> MEFs

Total cell lysis

**Fig. 2e**

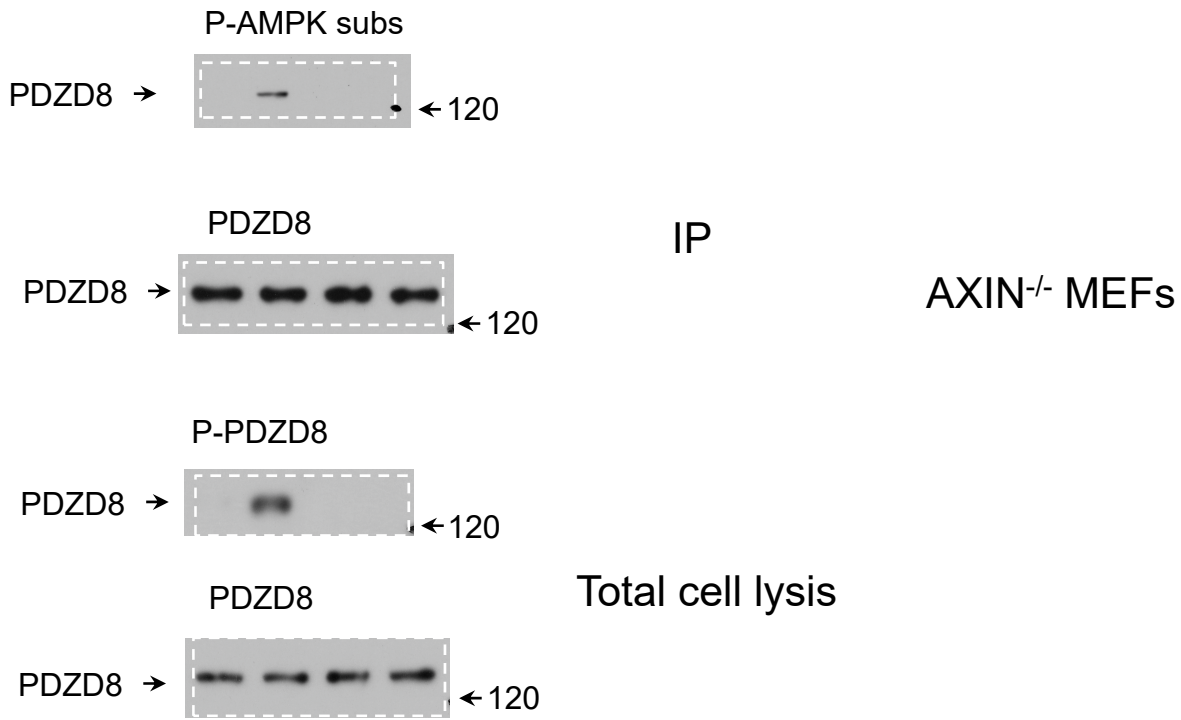


IP

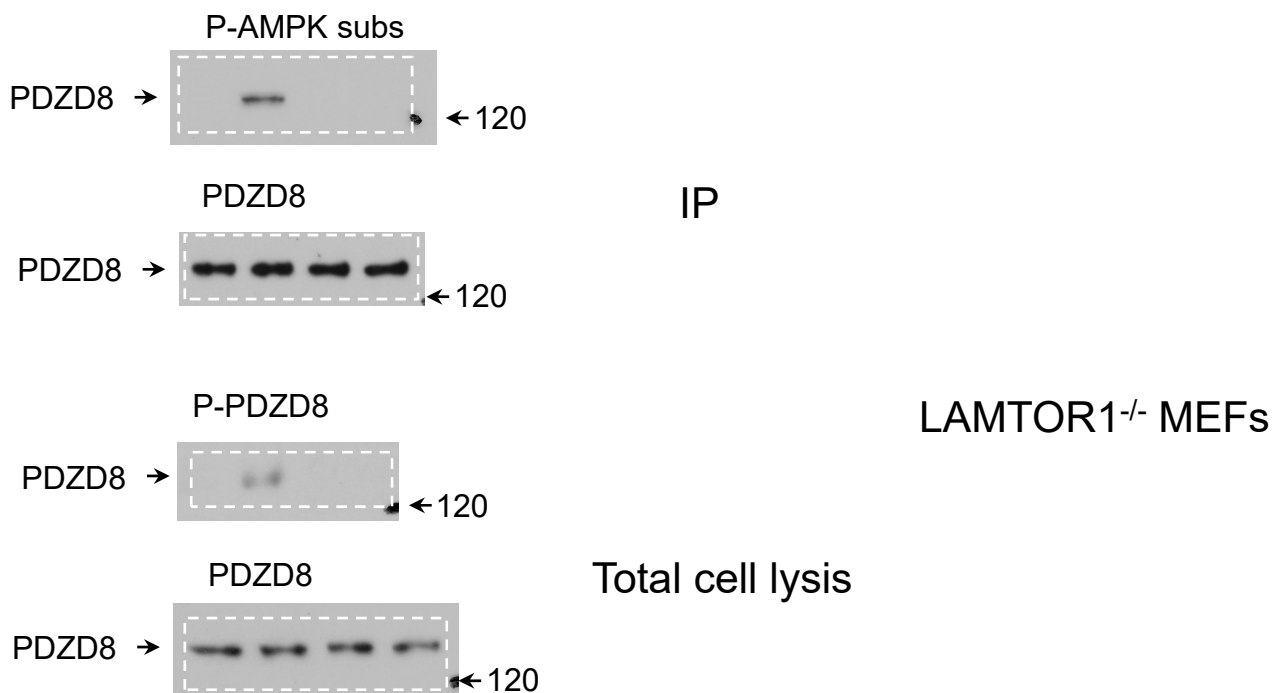
*AMPKα*<sup>-/-</sup> MEFs

Total cell lysis

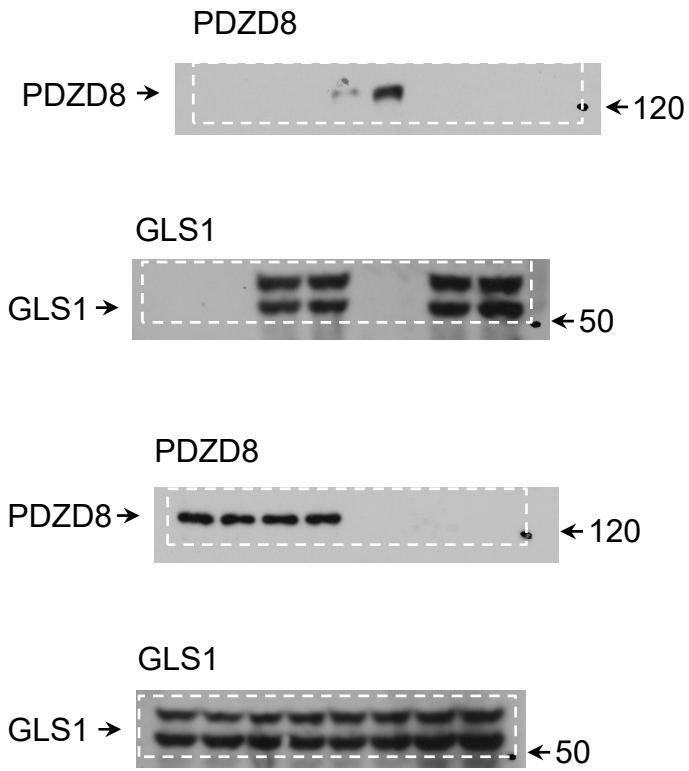
**Fig. 2f**



**Fig. 2g**



**Fig. 3J**

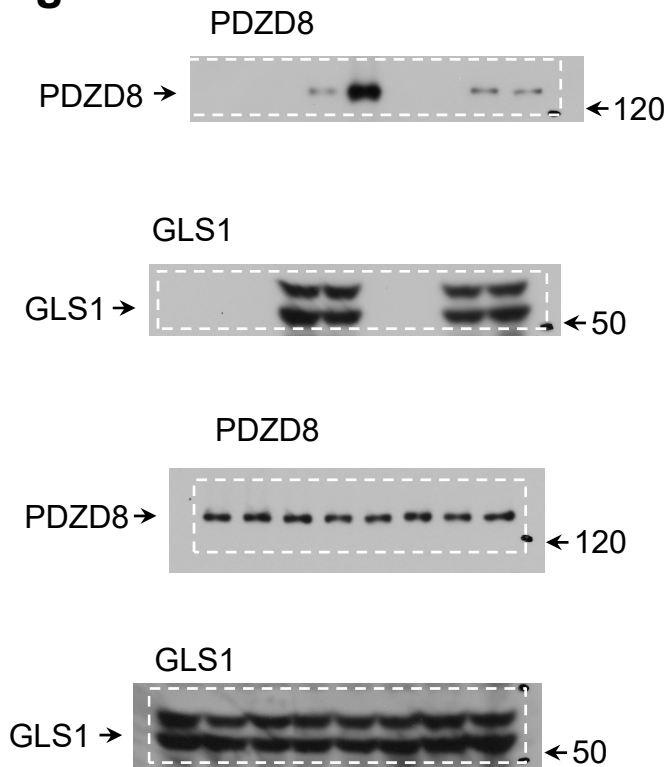


IP

Total cell lysis

*PDZD8*<sup>-/-</sup> MEFs

**Fig. 3n**

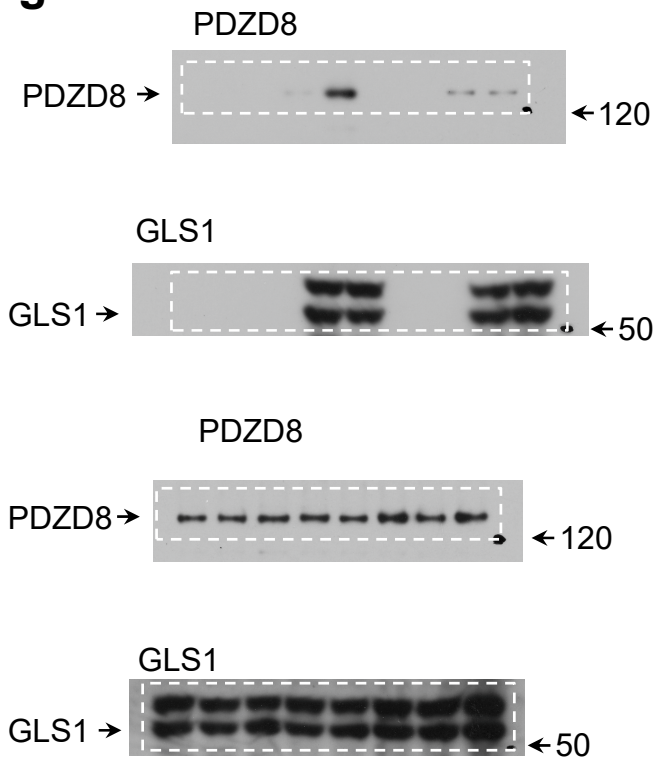


IP

Total cell lysis

*AMPKα*<sup>-/-</sup> MEFs

**Fig. 3o**

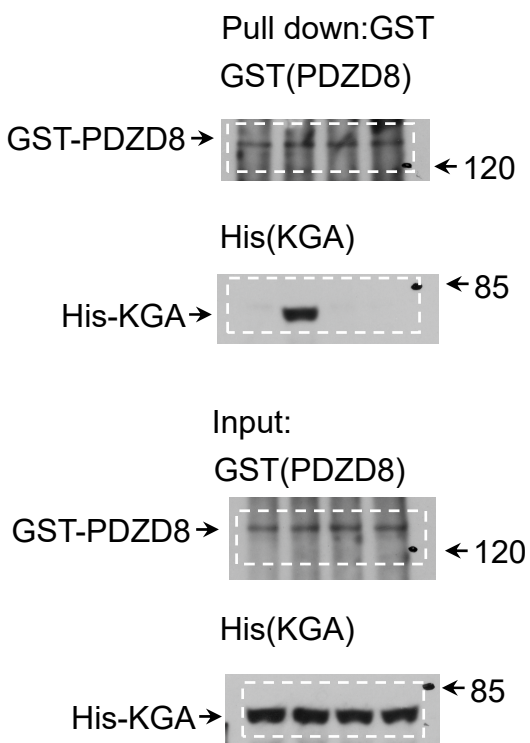


IP

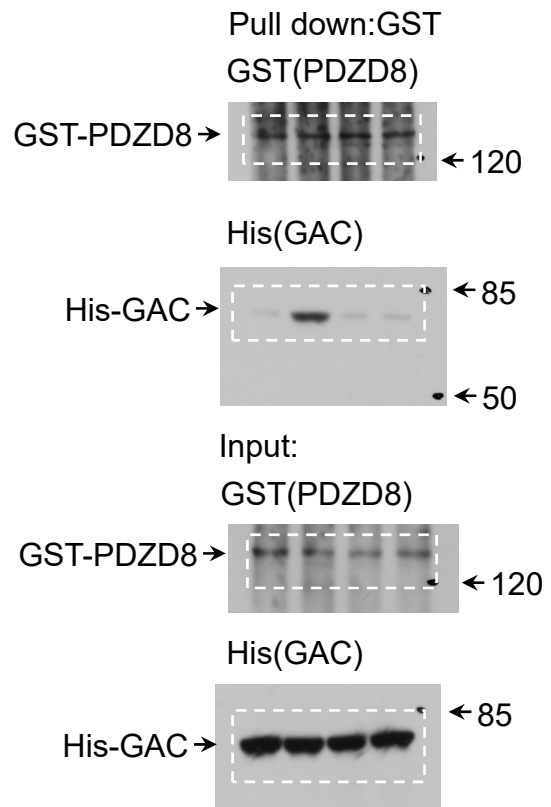
Total cell lysis

*PDZD8*<sup>-/-</sup> MEFs

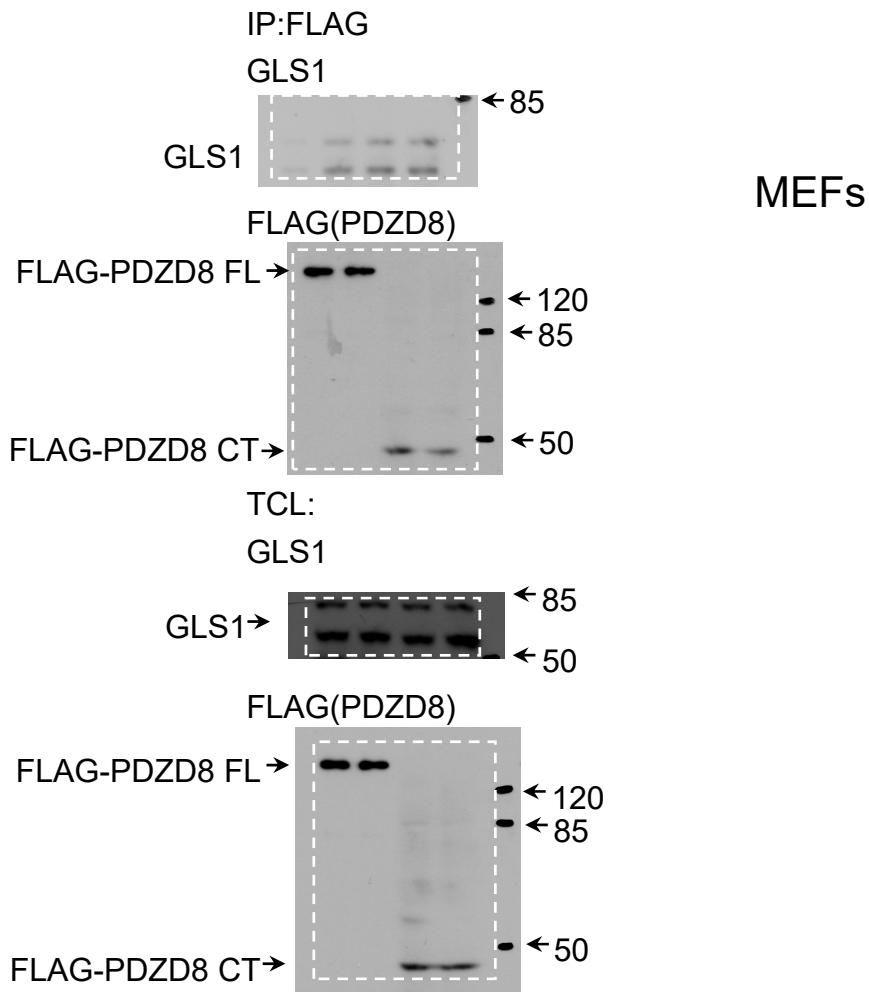
**Fig. 3r up**



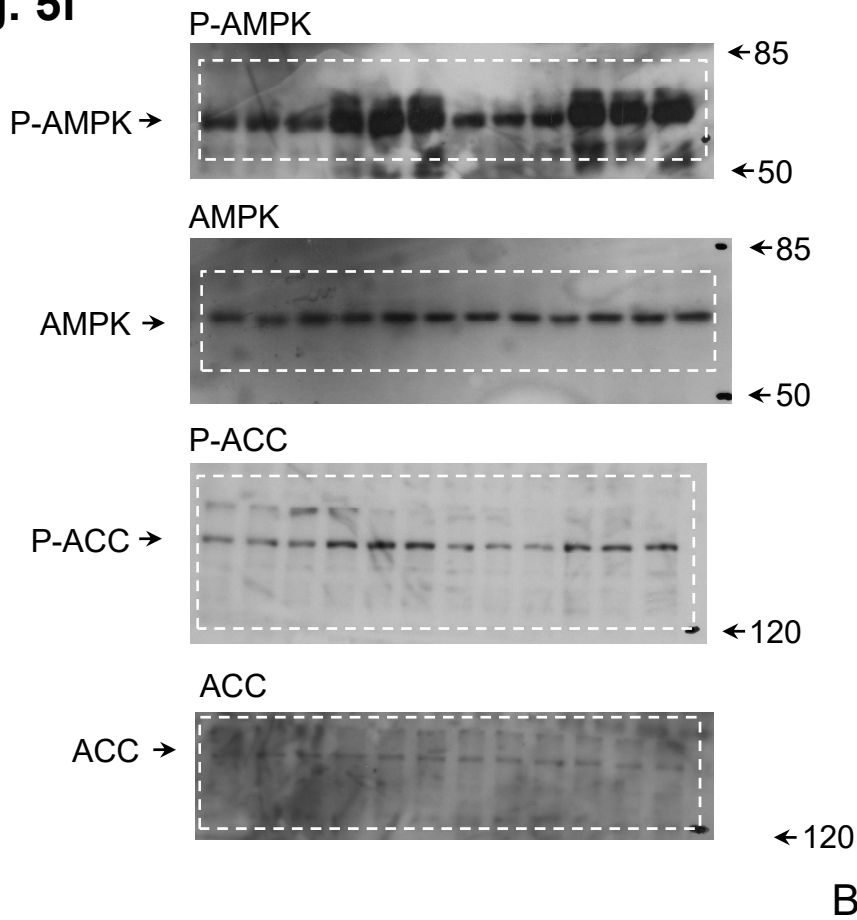
**Fig. 3p bottom**



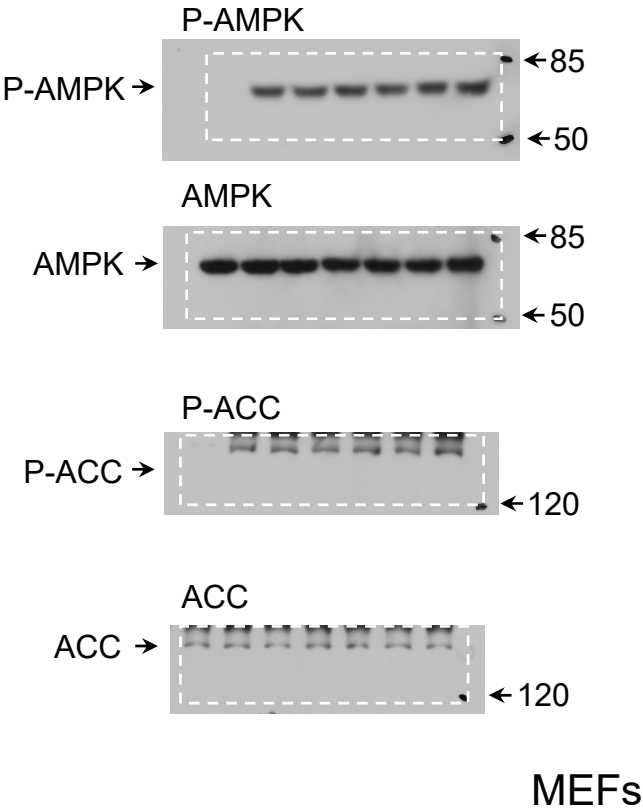
**Fig. 4e**



**Fig. 5f**

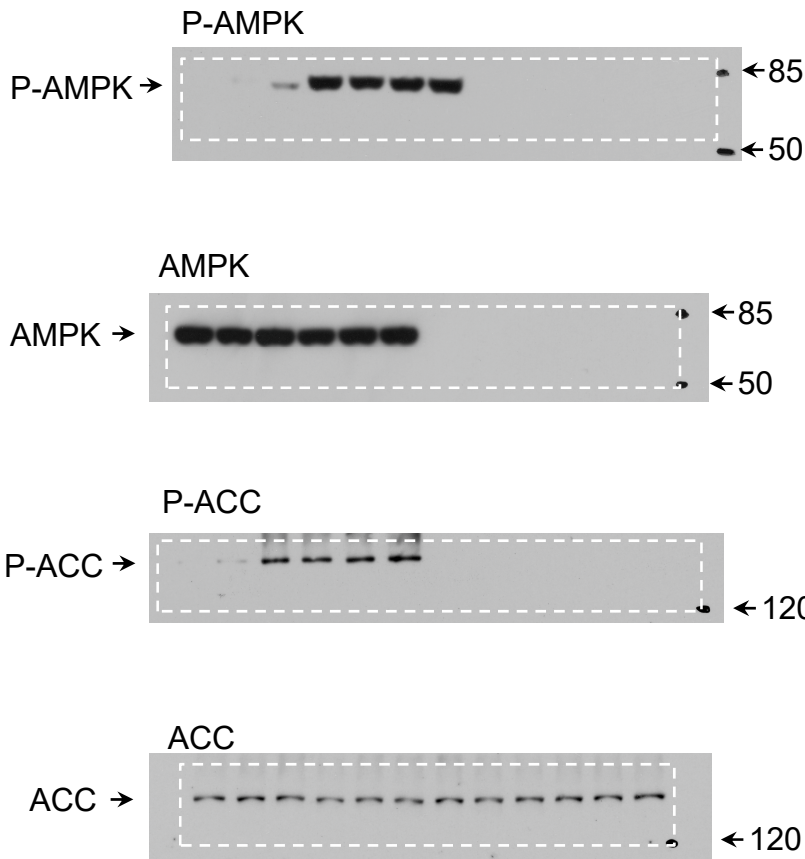


**Fig. S1a**



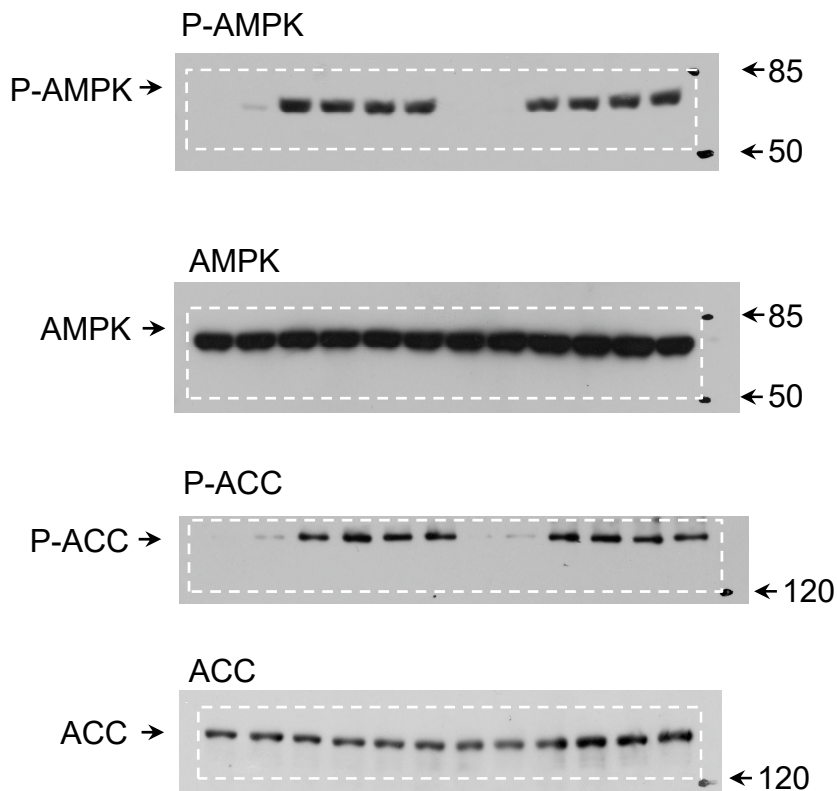


**Fig. S3a left**



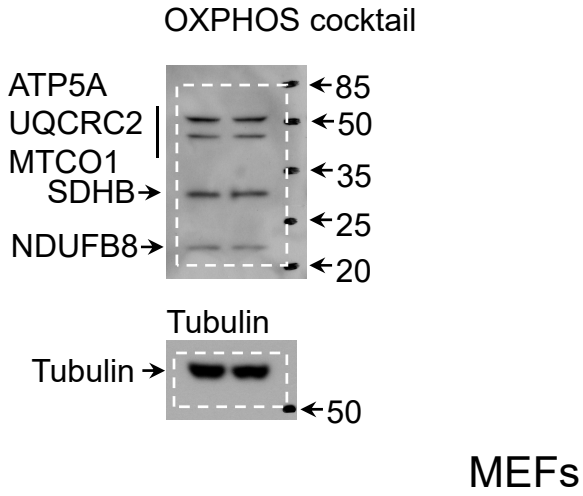
Muscle

**Fig. S3a right**

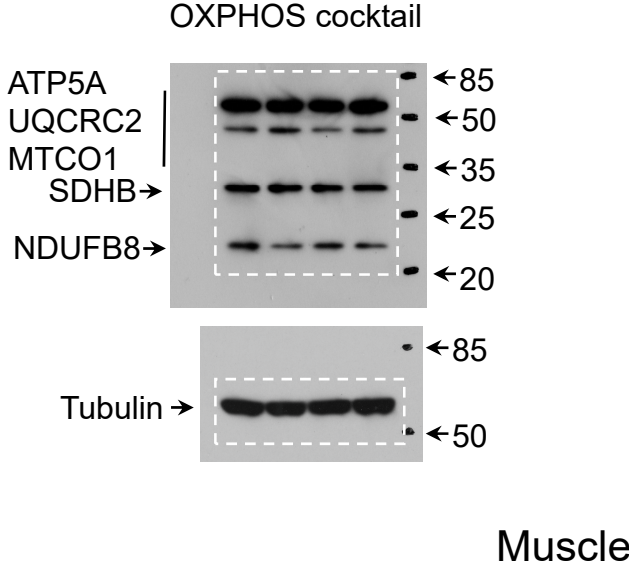


Liver

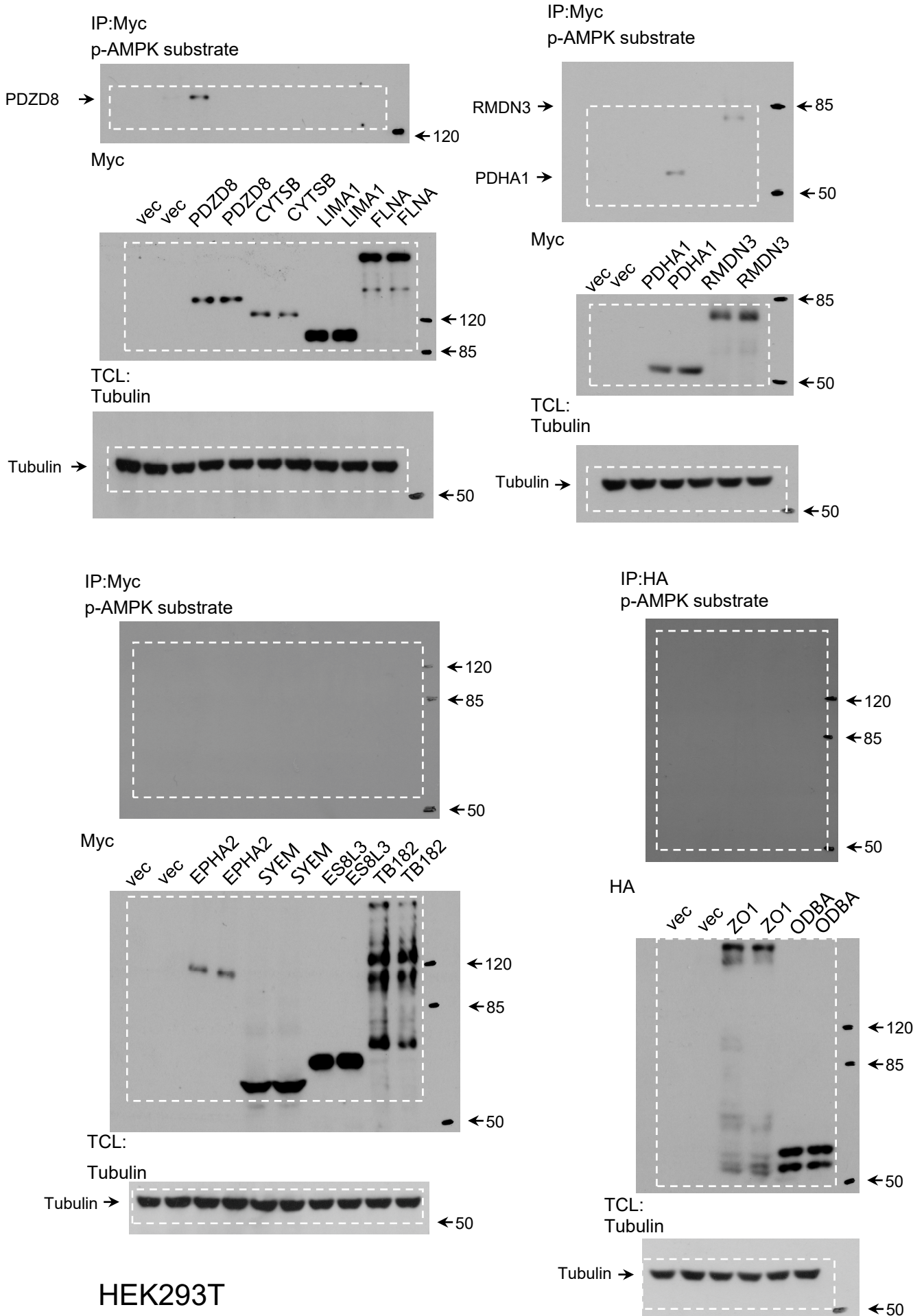
**Fig. S3g left**



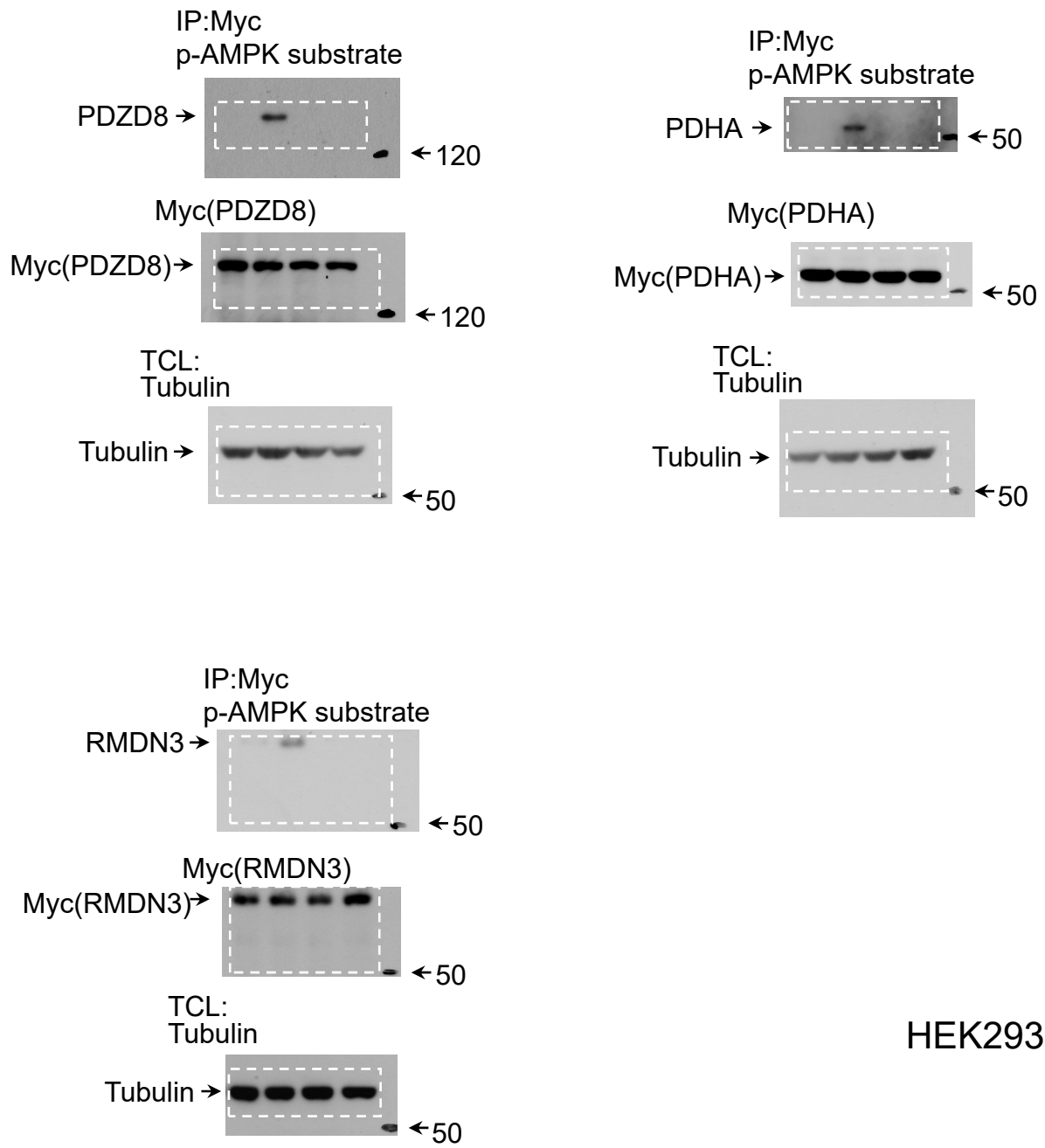
**Fig. S3g right**



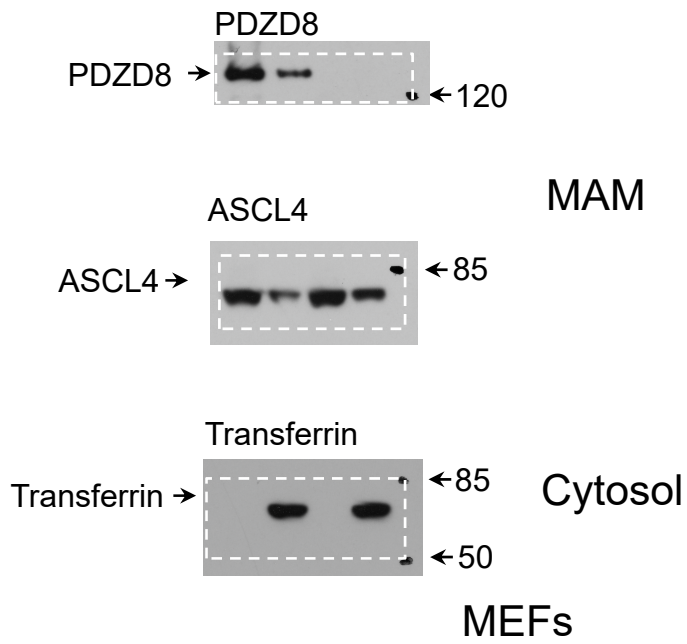
**Fig. S4a**



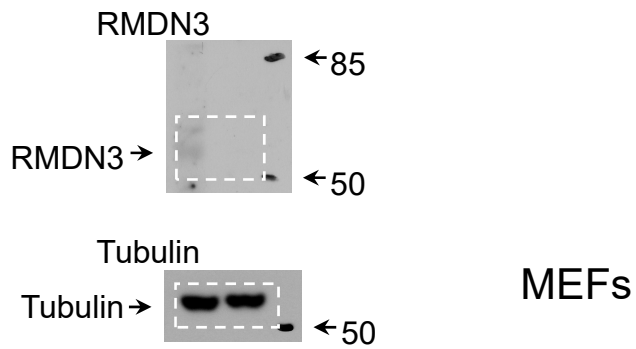
**Fig. S4a**



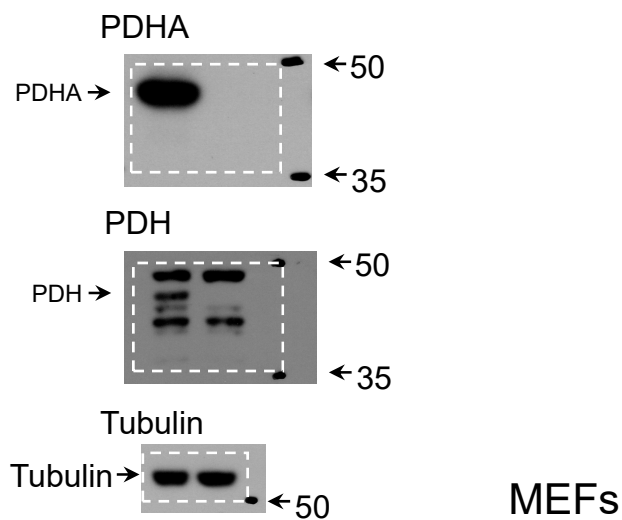
**Fig. S4b left**



**Fig. S4b middle**



**Fig. S4b right**



**Fig. S4g**

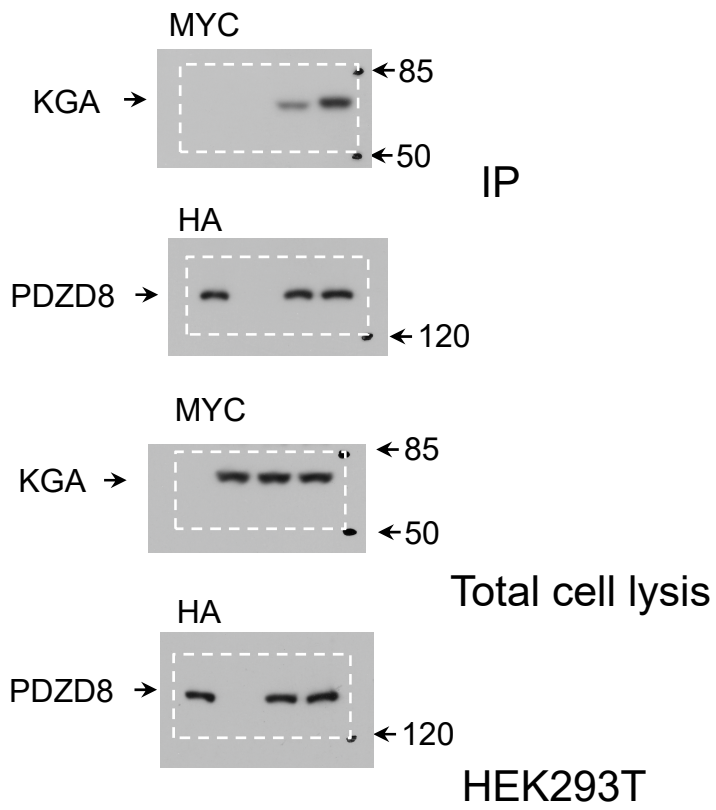


IP

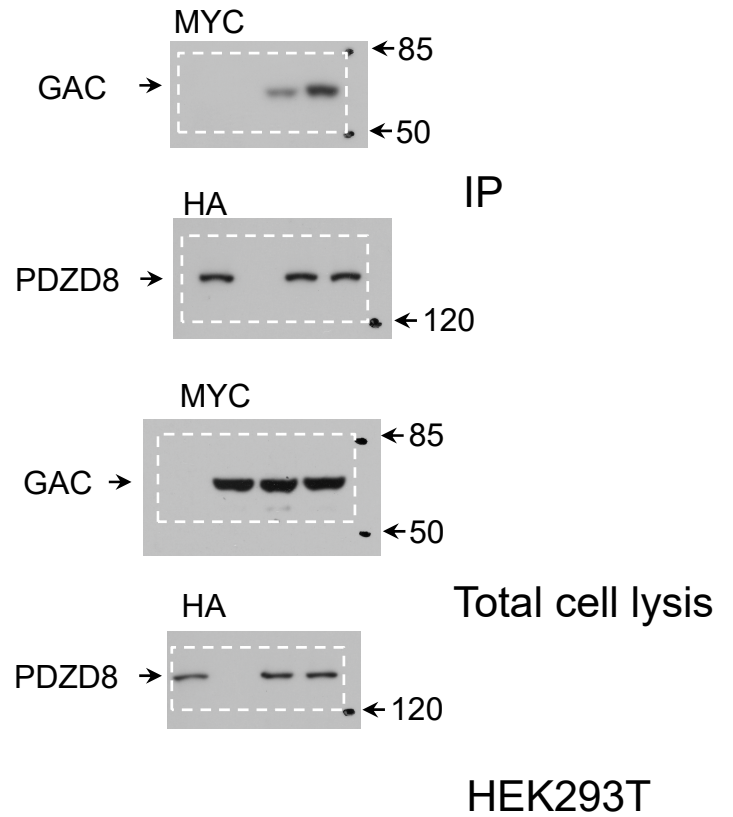
Total cell lysis

*PDZD8*<sup>-/-</sup> MEFs

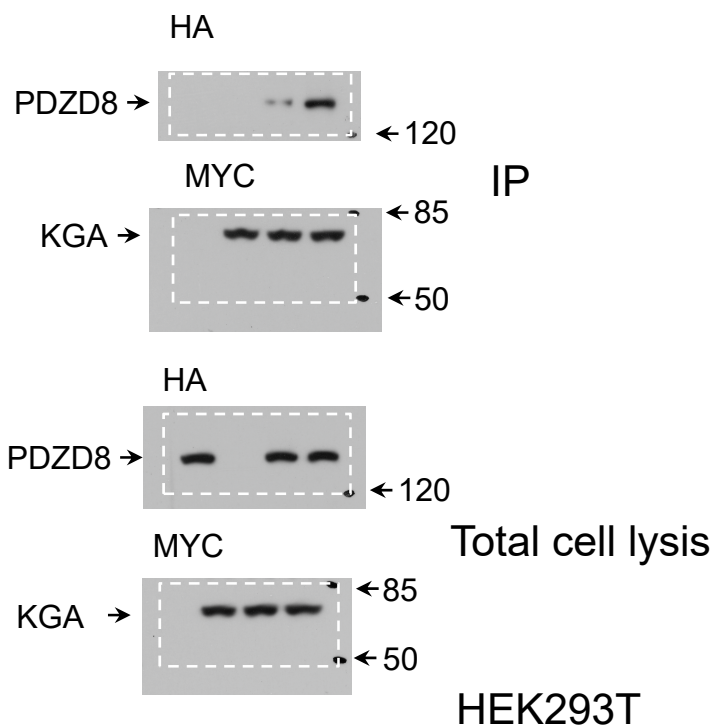
**Fig. S5c left**



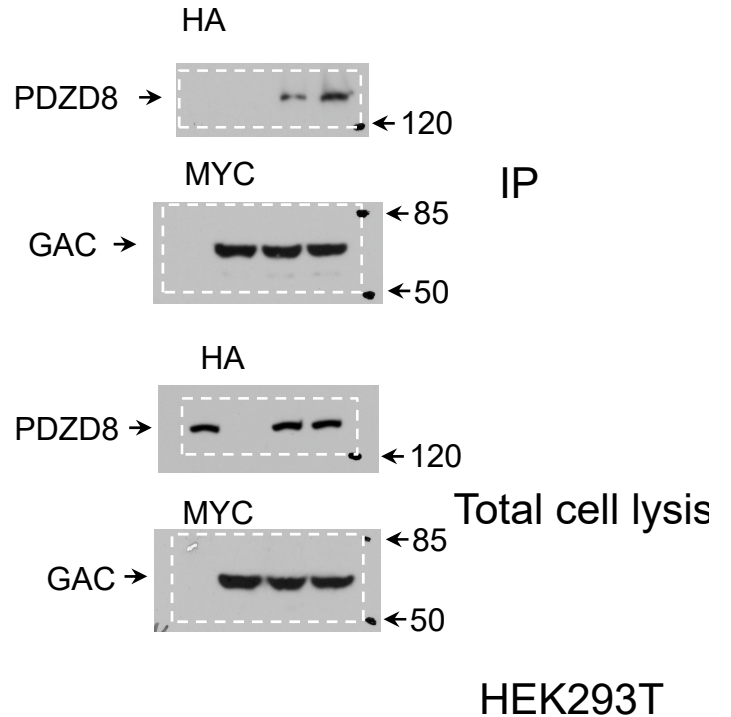
**Fig. S5c right**



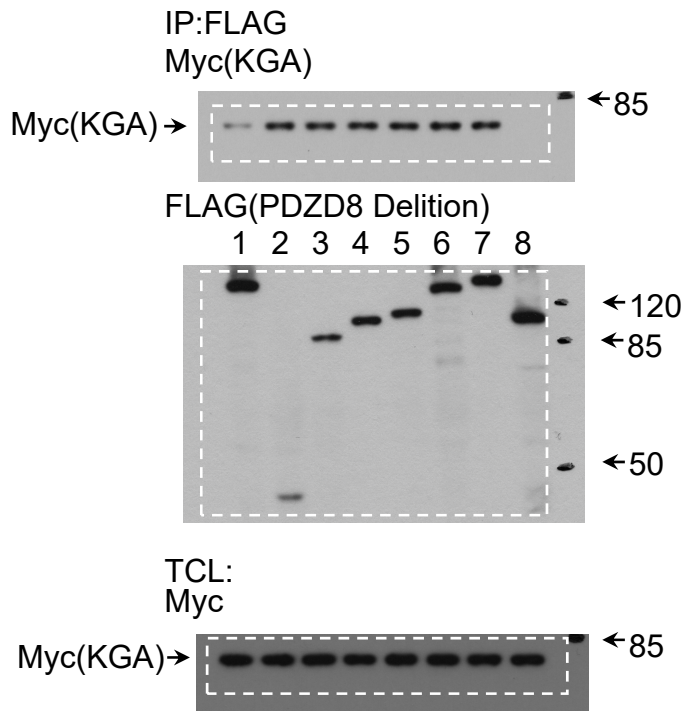
**Fig. S5d up**



**Fig. S5d bottom**

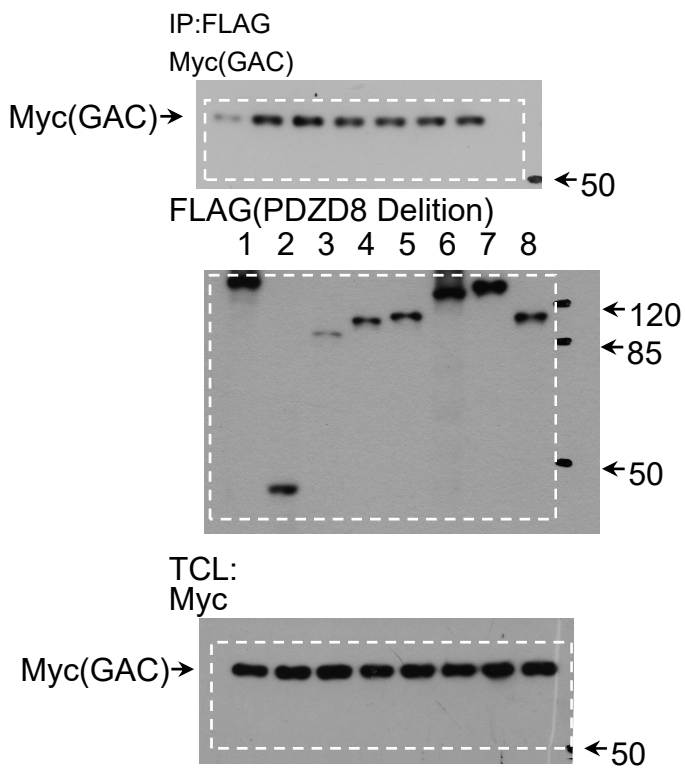


**Fig. S5f left**



HEK293T

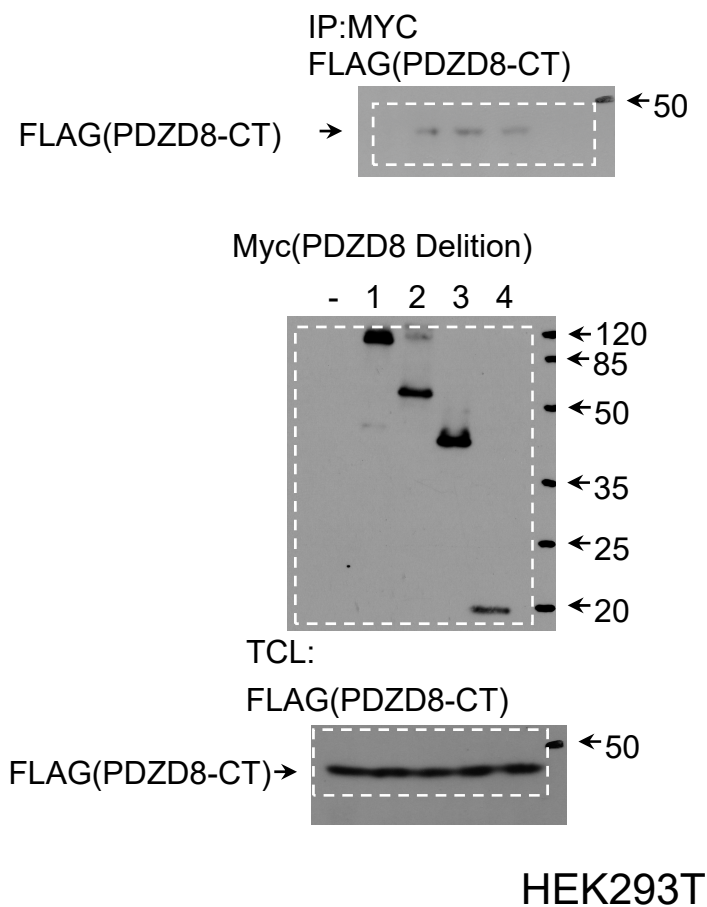
**Fig. S5f right**



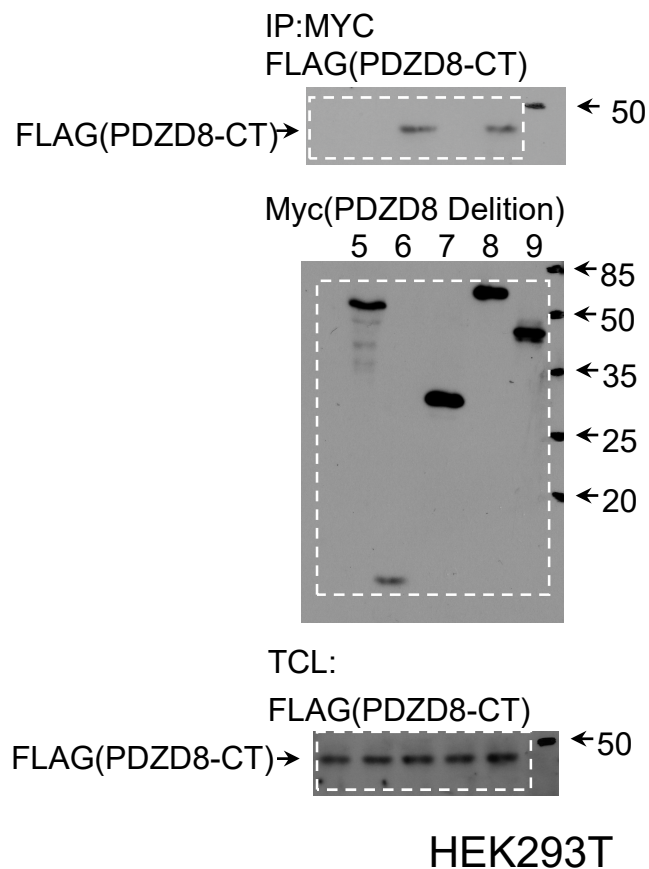
HEK293T



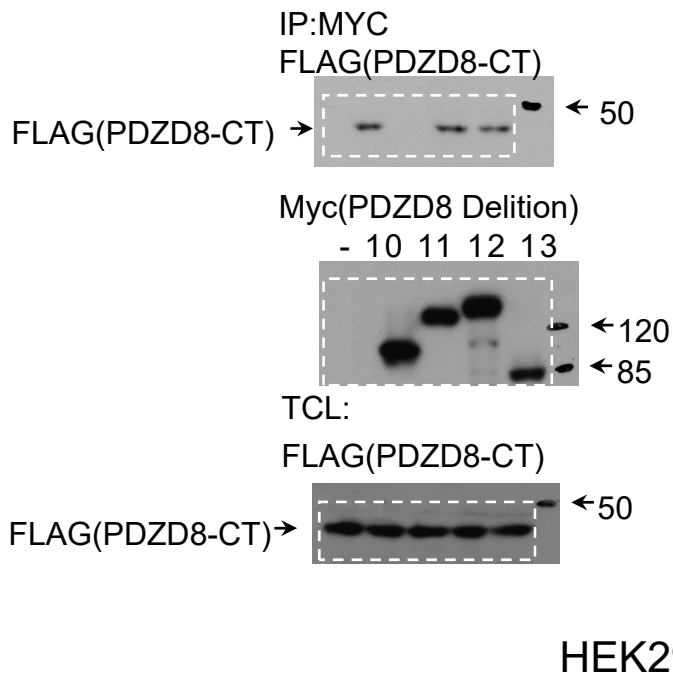
**Fig. S5h up**



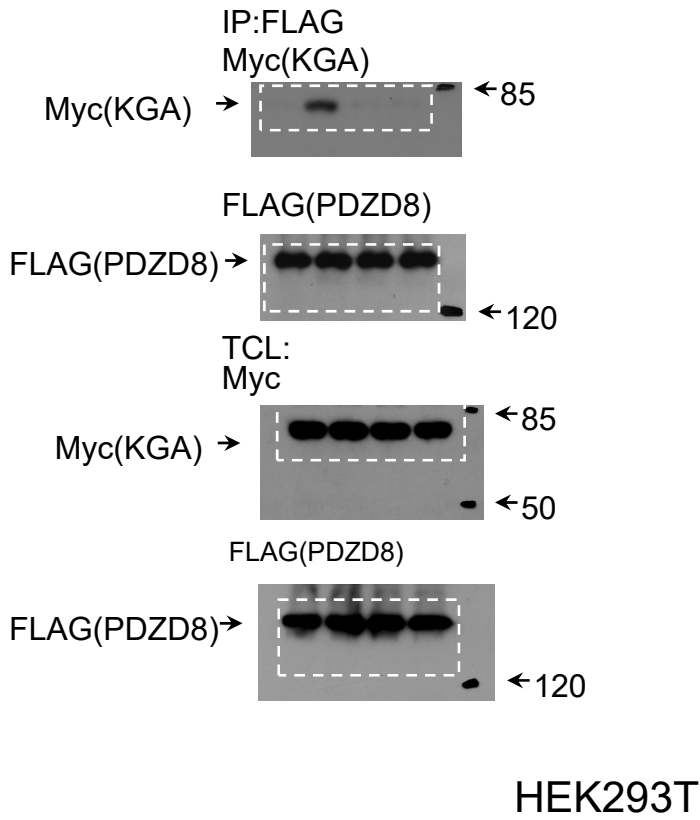
**Fig. S5h middle**



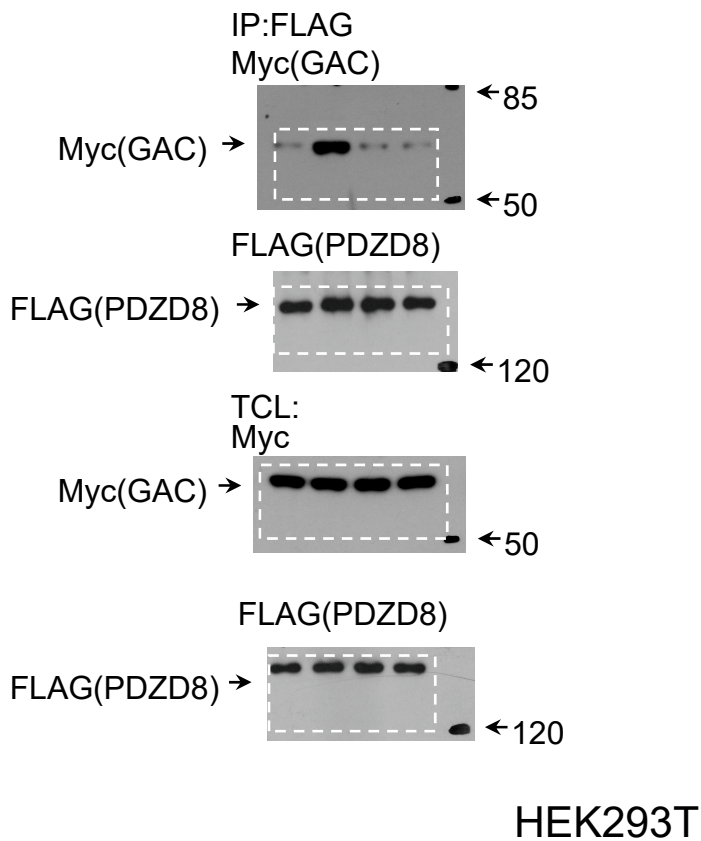
**Fig. S5h bottom**



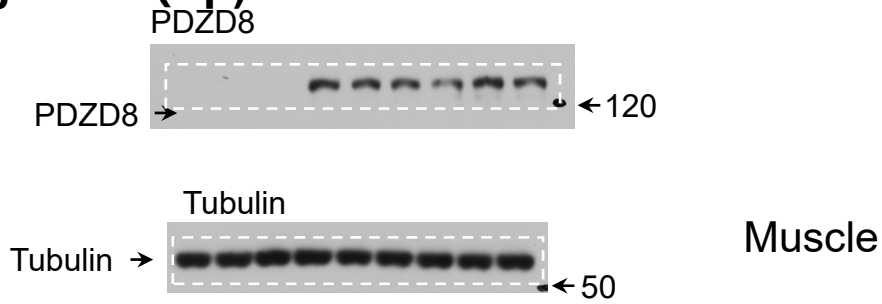
### Fig. S5i up



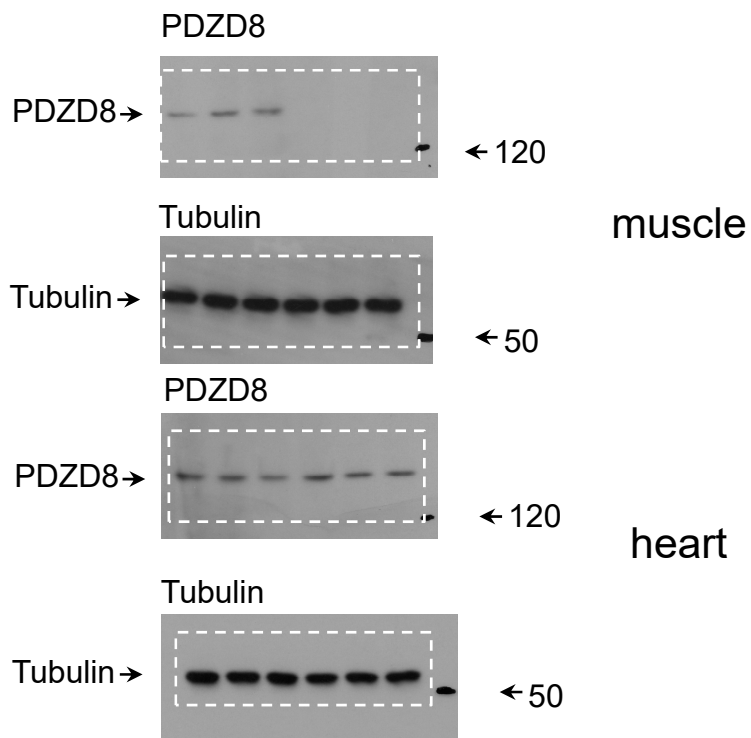
### Fig. S5i bottom



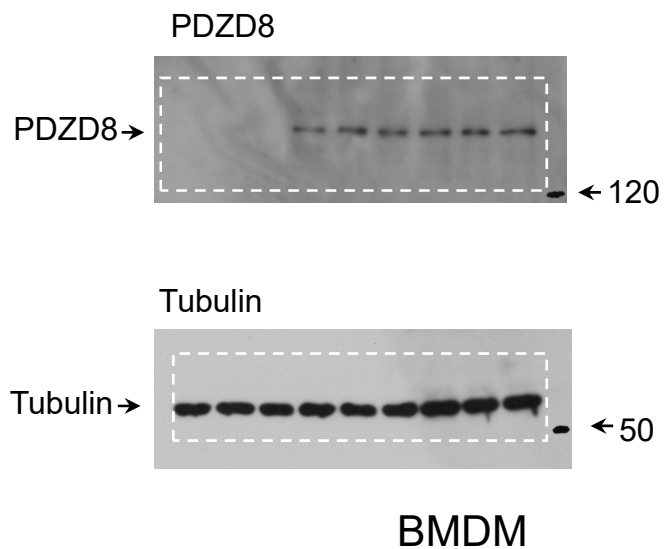
**Fig. S6b (up)**



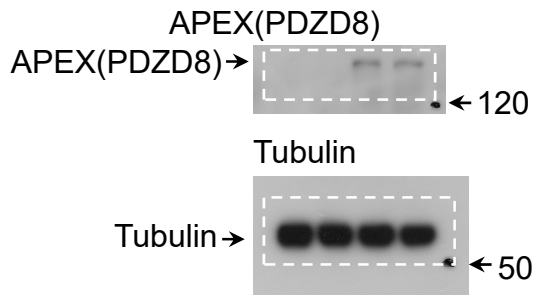
**Fig. S6b(down)**



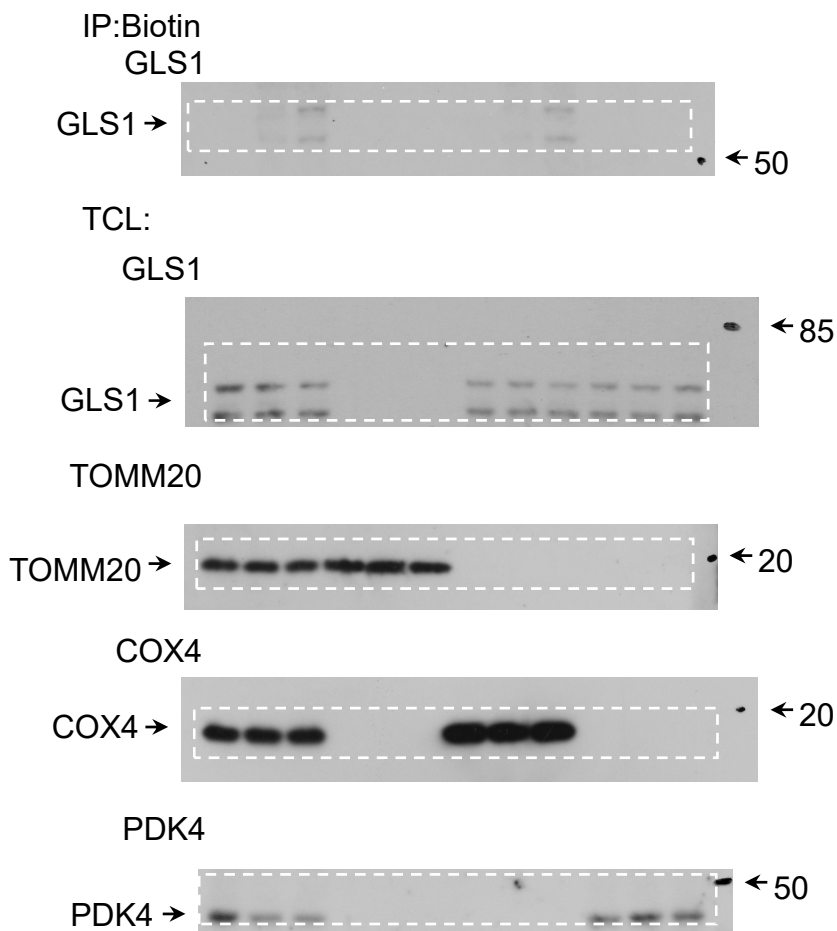
**Fig. S7a**



**Fig. S7k left**

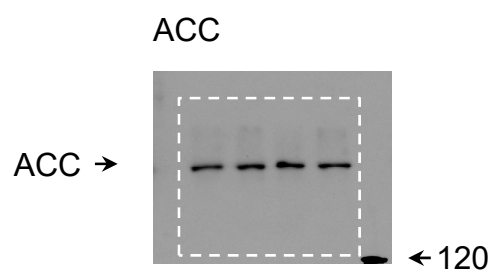
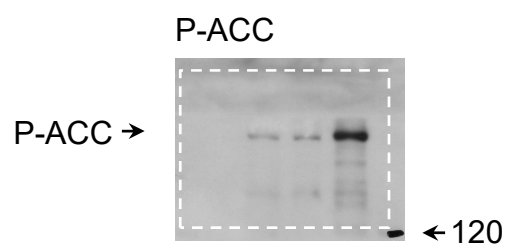
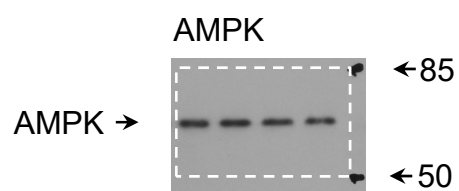
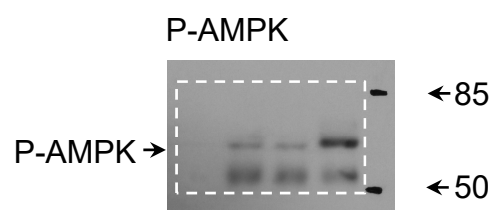


**Fig. S7k right**



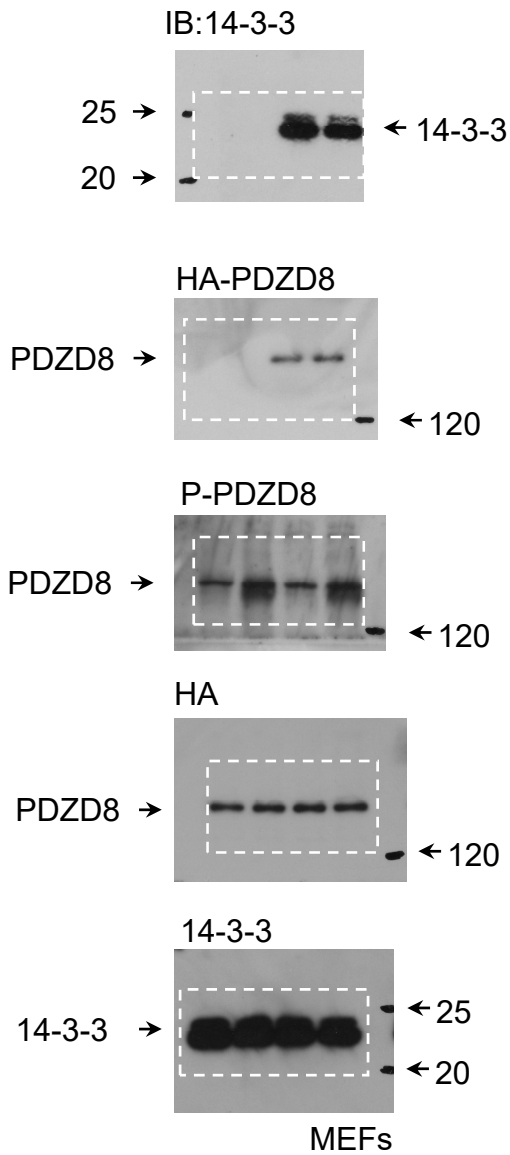
MEFs

**Fig. S7j**



MEFs

**Fig. S7I left**



**Fig. S7I right**

