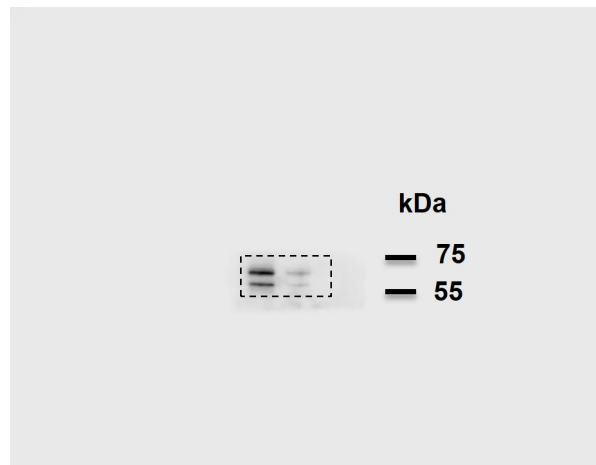
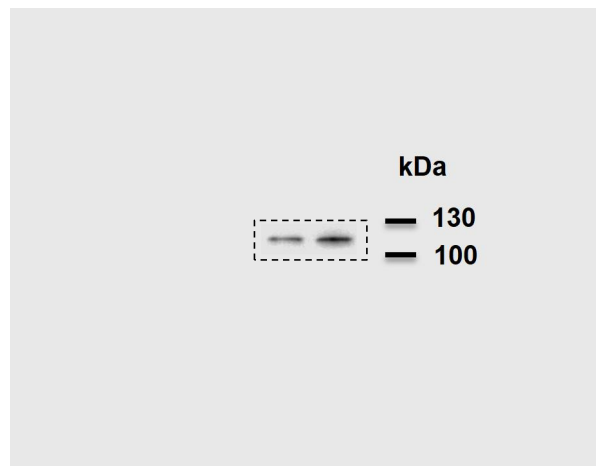


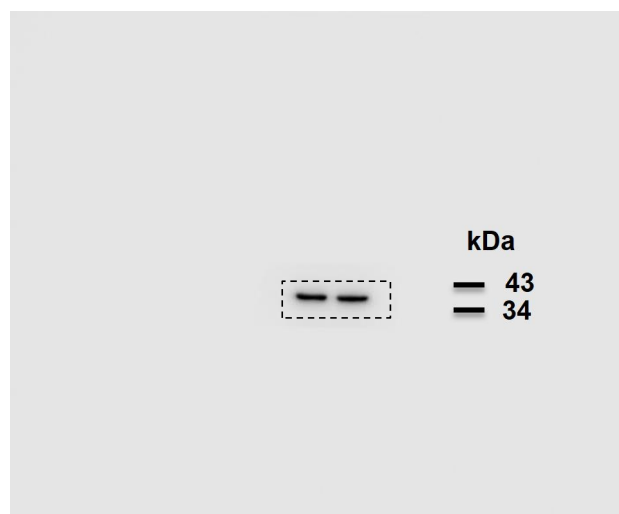
## Supplementary materials



**CARM1**

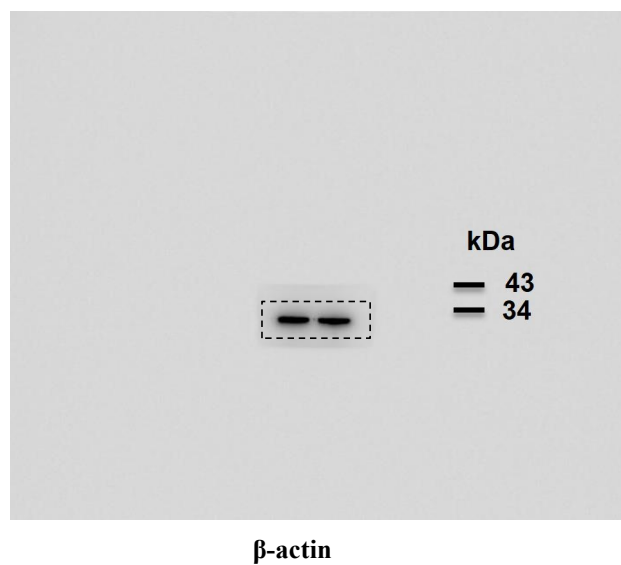
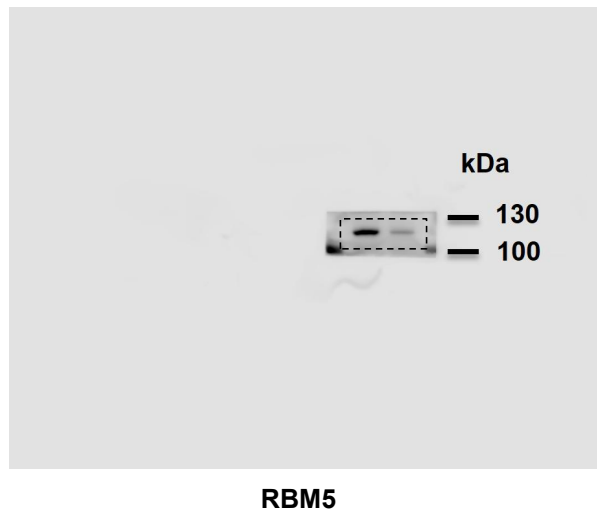
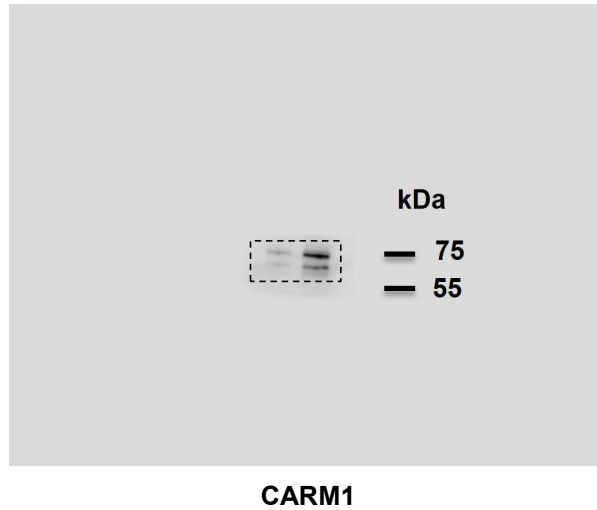


**RBM5**



**$\beta$ -actin**

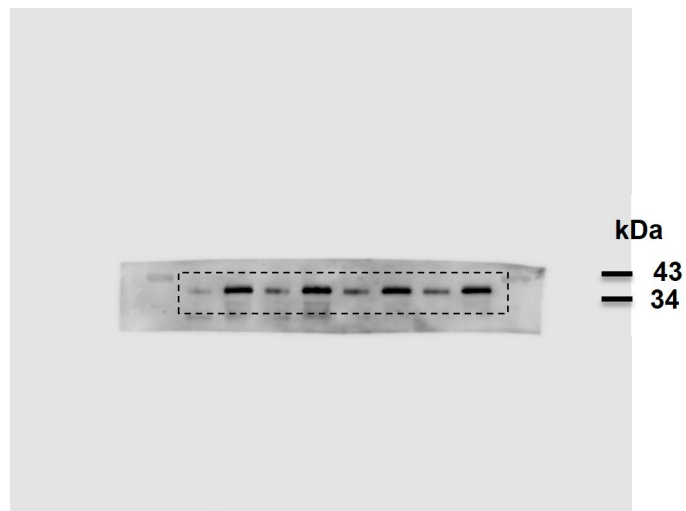
**Supplementary Figure S2.** The original immunoblots of Figure 1D.



**Supplementary Figure S3.** The original immunoblots of Figure 1F.

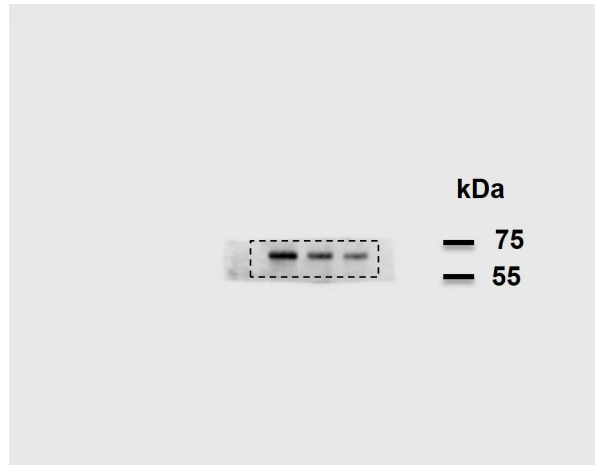


**CARM1**



**$\beta$ -actin**

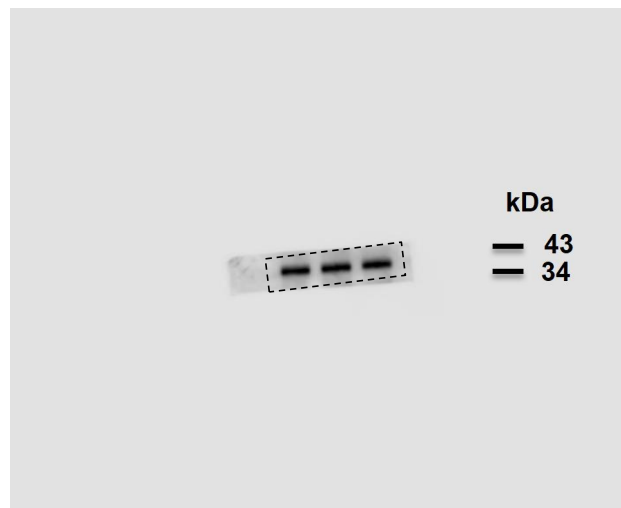
**Supplementary Figure S4.** The original immunoblots of Figure 1J.



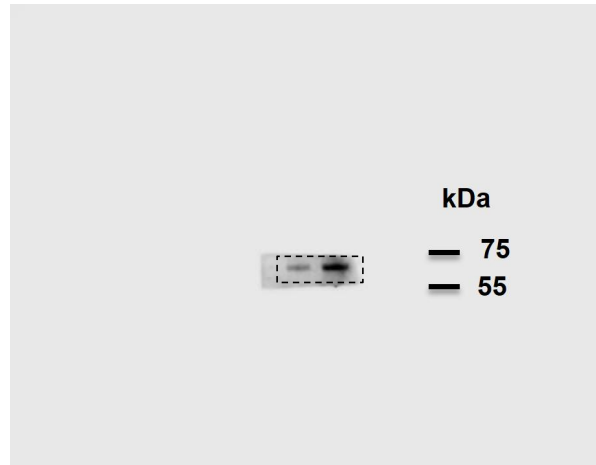
**CARM1**



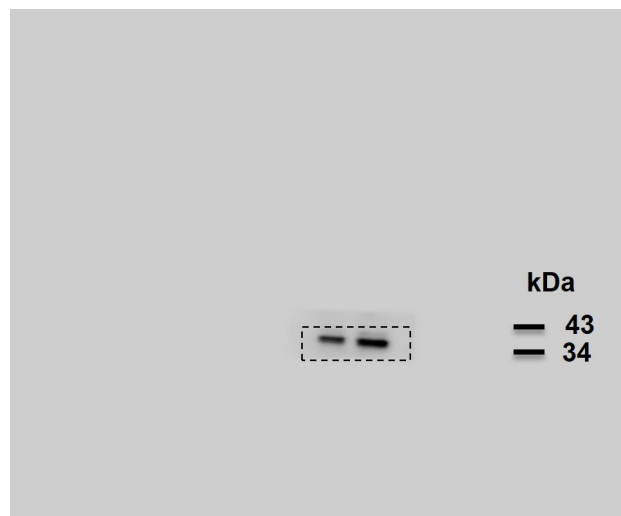
**CDK4**



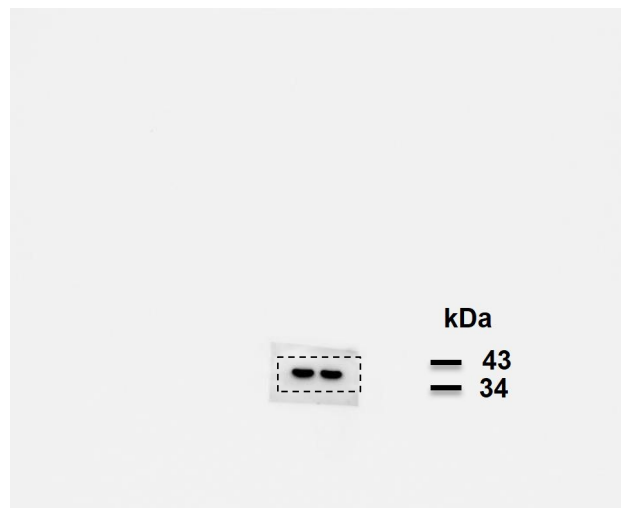
**$\beta$ -actin**



**CARM1**

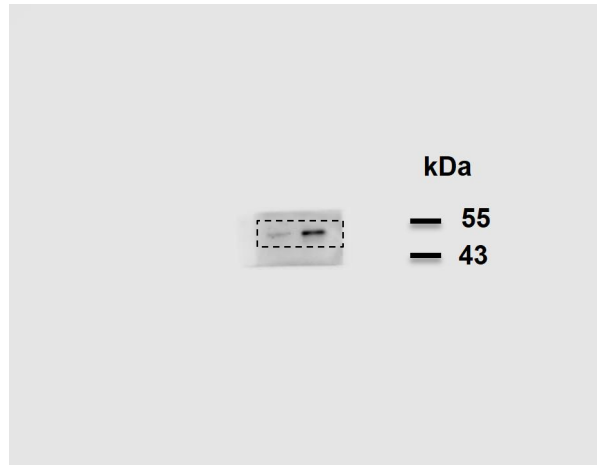


**CDK4**

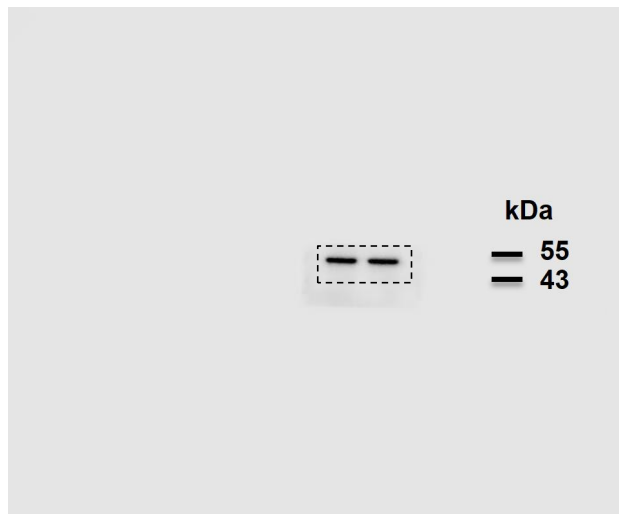


**$\beta$ -actin**

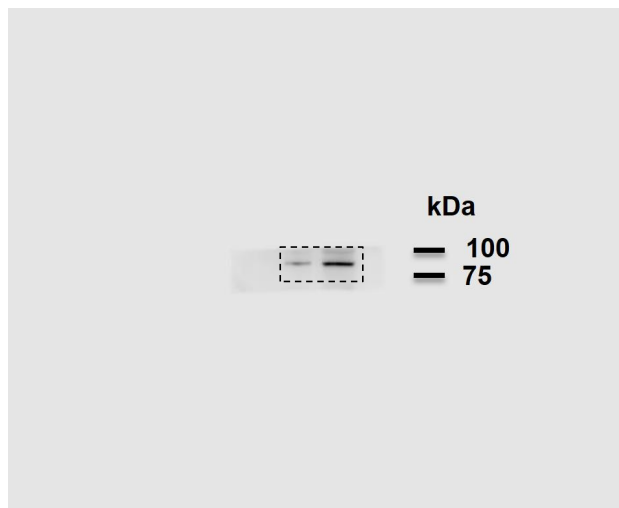
**Supplementary Figure S5.** The original immunoblots of Figure 2A.



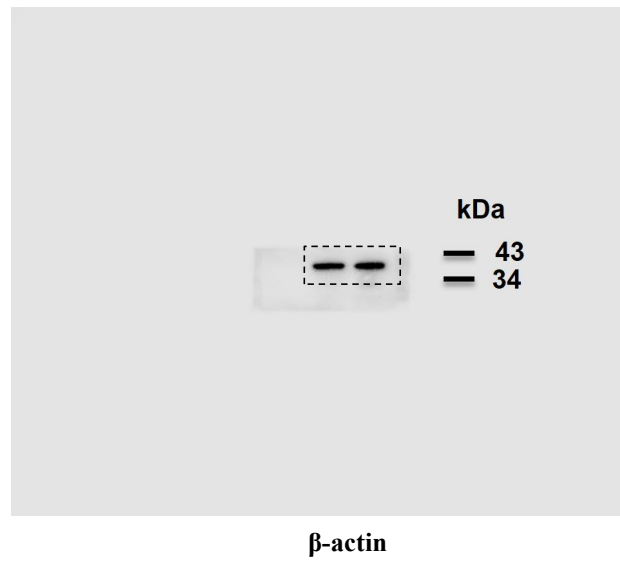
**pGSK3β**



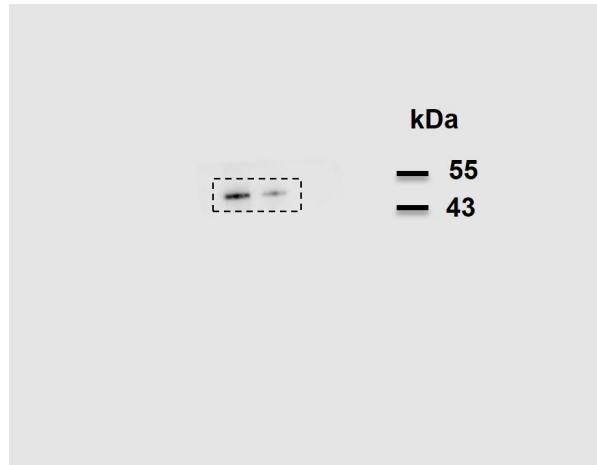
**GSK3β**



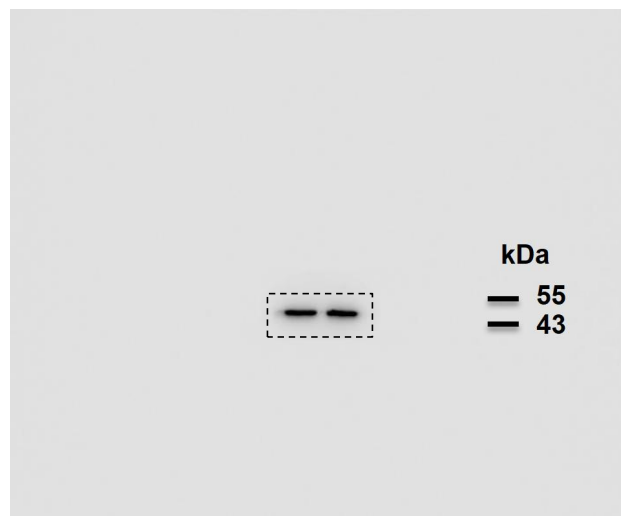
**β-catenin**



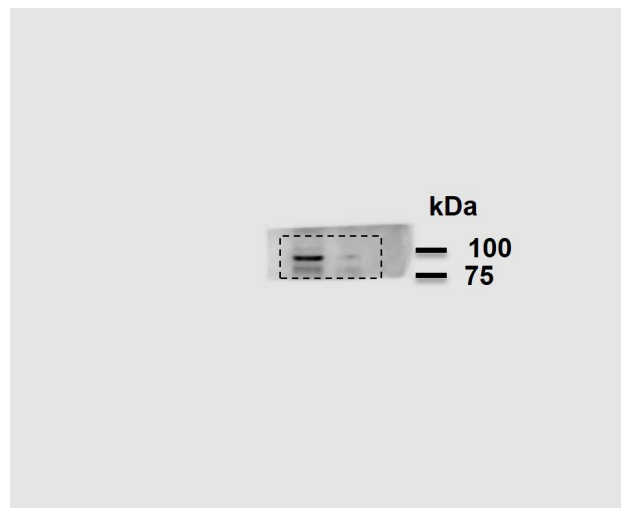
**Supplementary Figure S6.** The original immunoblots of Figure 3A.



pGSK3β

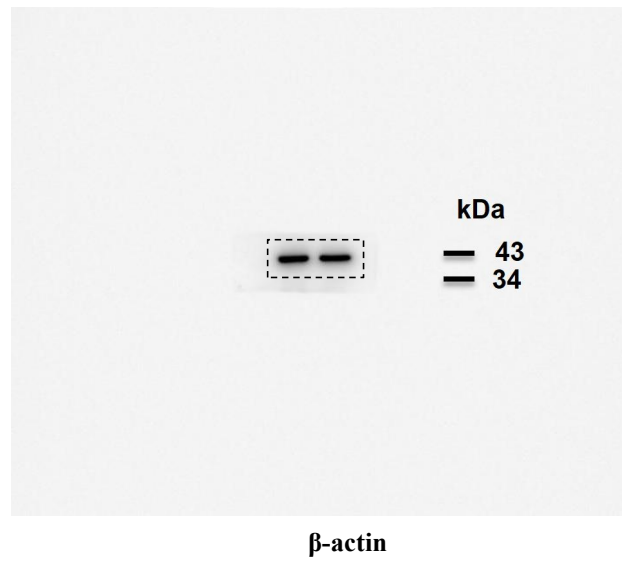


GSK3β

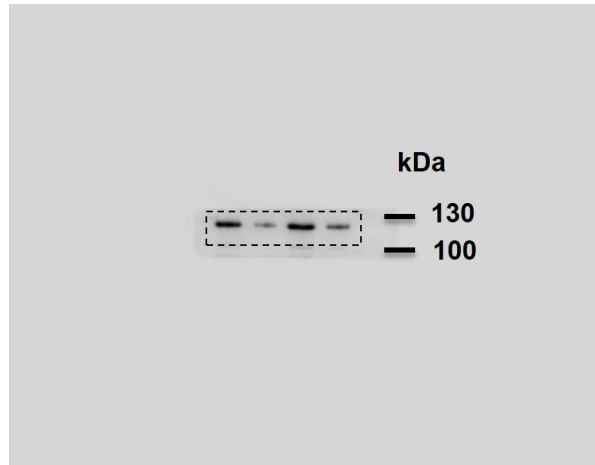


β-catenin





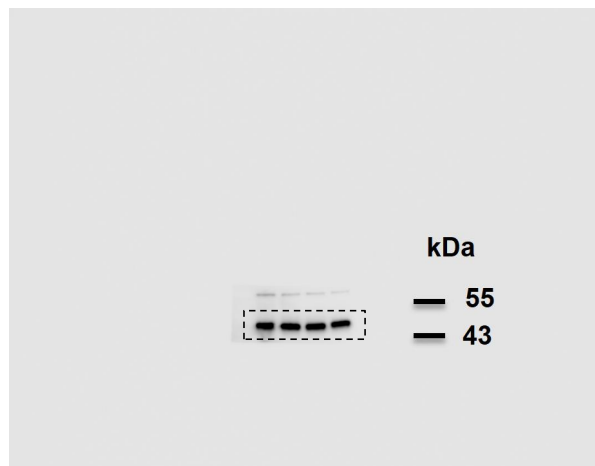
**Supplementary Figure S7.** The original immunoblots of Figure 3C.



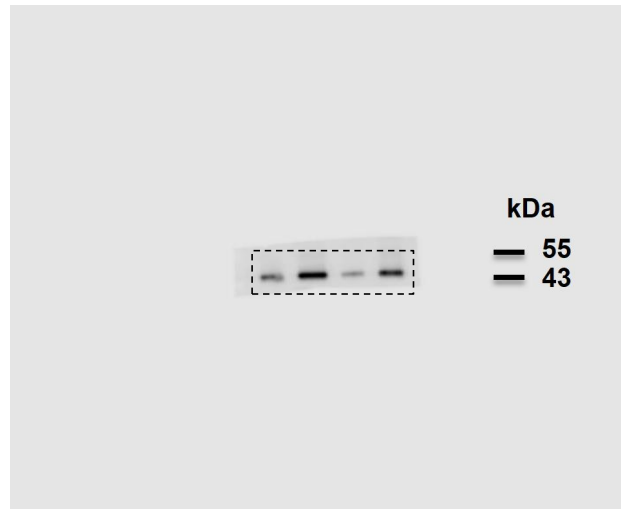
**RBM5**



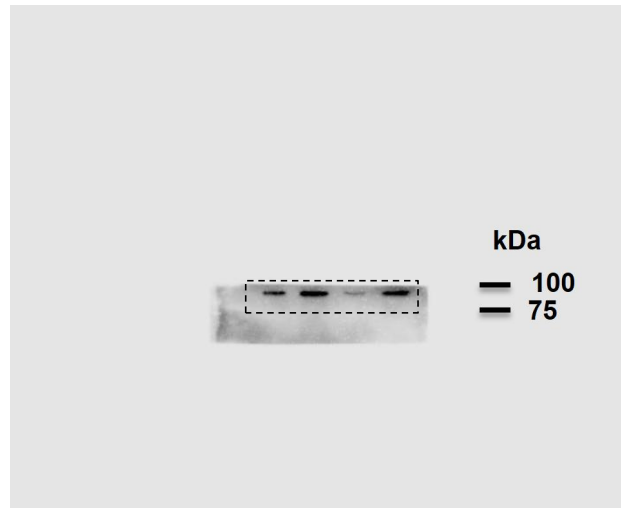
**CARM1**



**pGSK3β**



**GSK3 $\beta$**

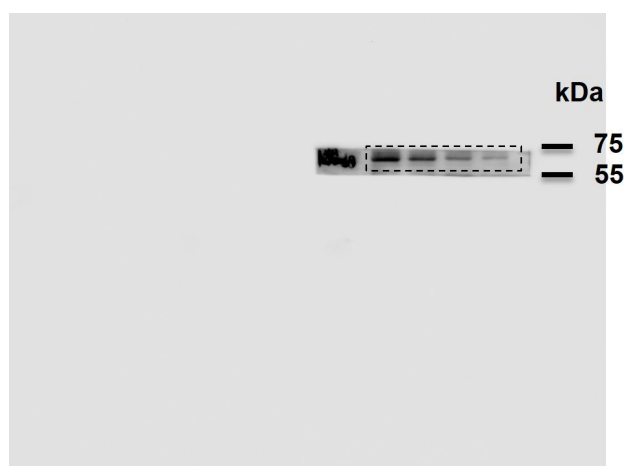


**$\beta$ -catenin**

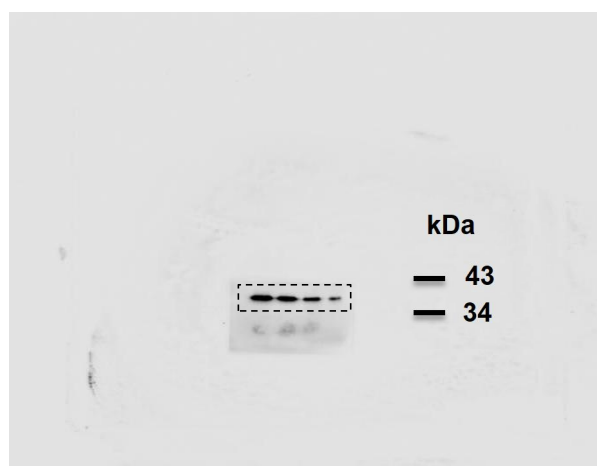


**$\beta$ -actin**

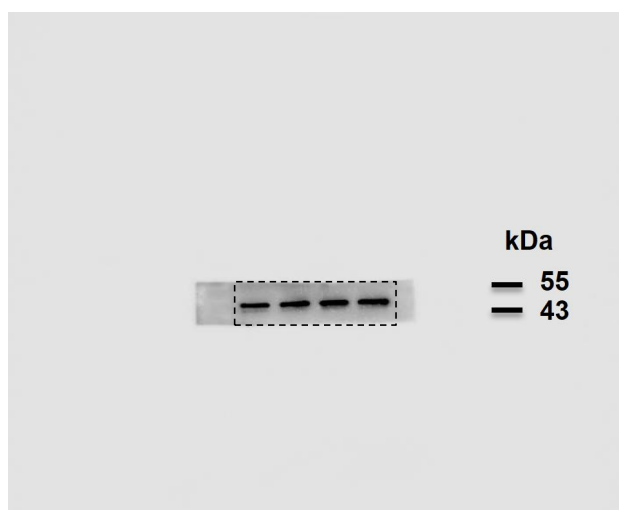
**Supplementary Figure S8.** The original immunoblots of Figure 3E.



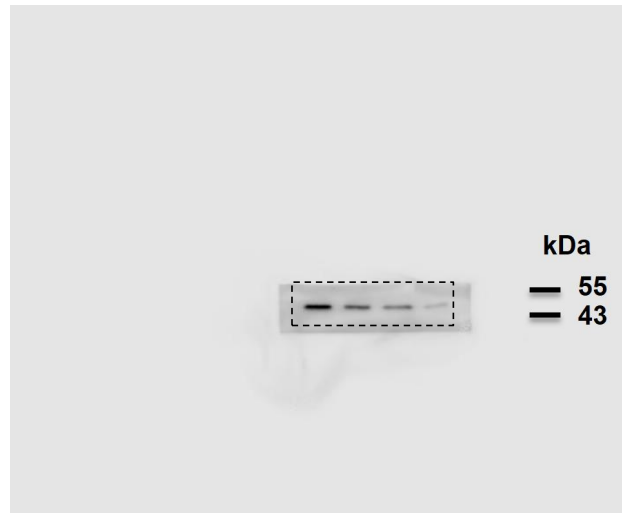
**CARM1**



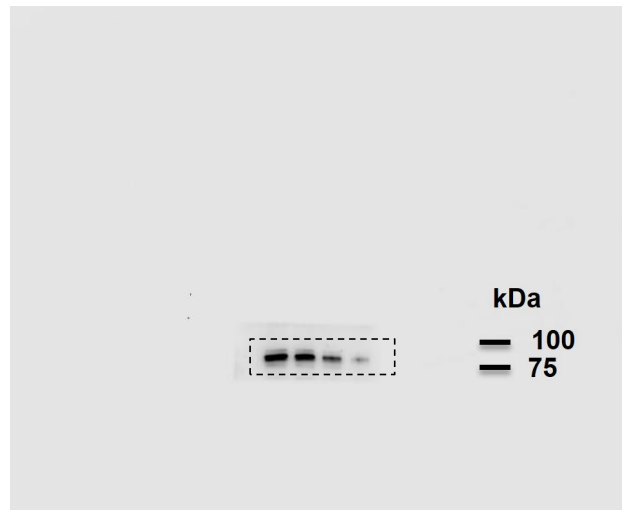
**CDK4**



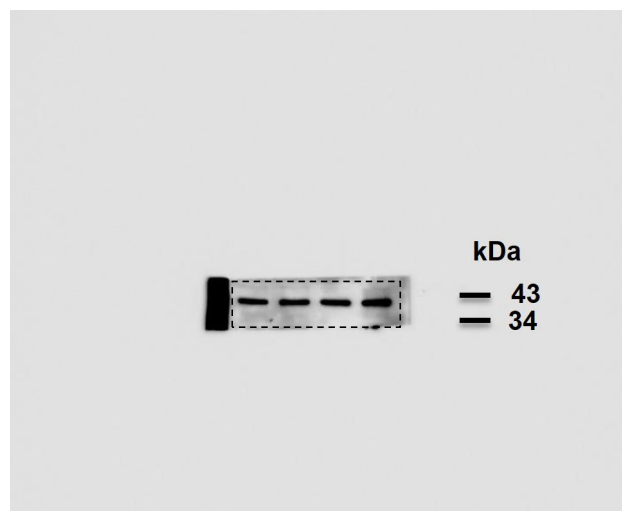
**GSK3 $\beta$**



pGSK3 $\beta$

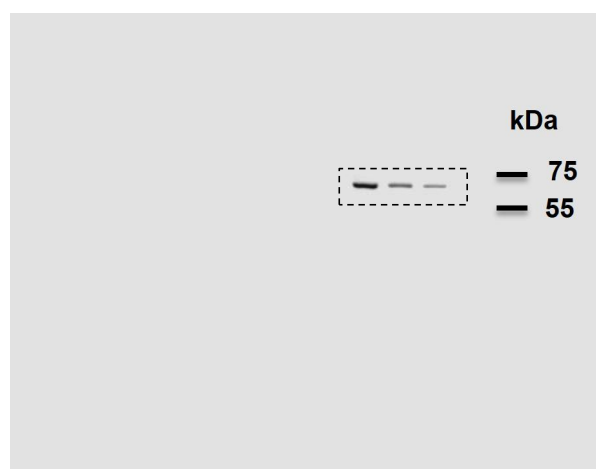


$\beta$ -catenin

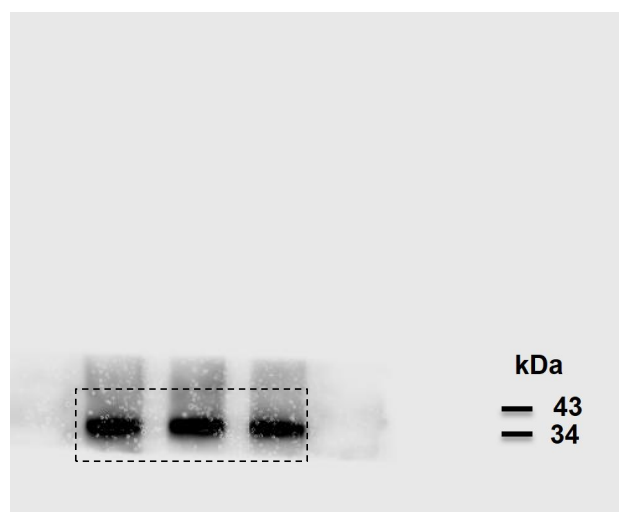


$\beta$ -actin

**Supplementary Figure S9.** The original immunoblots of Figure 3G.

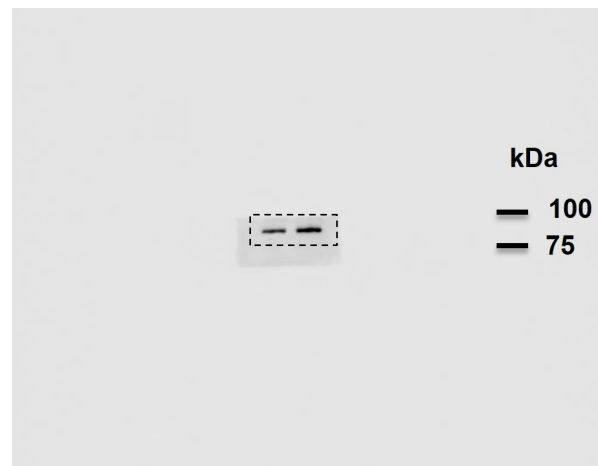


**CARM1**

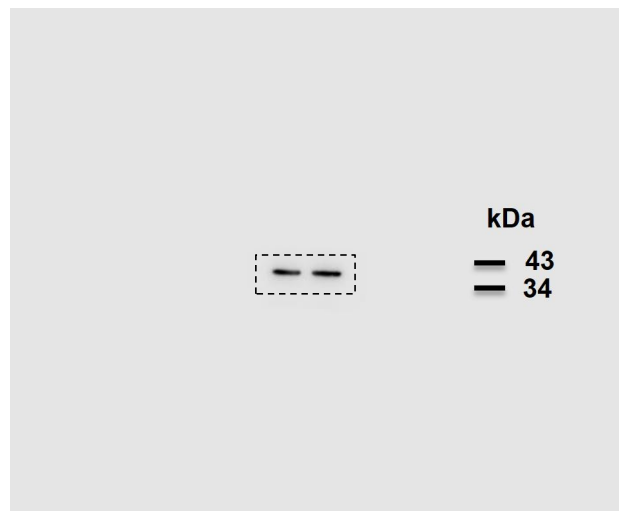


**$\beta$ -actin**

**Supplementary Figure S10.** The original immunoblots of Figure 4E.

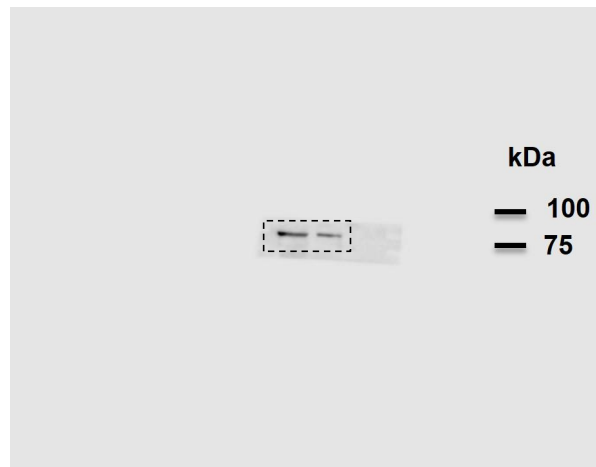


**PRKACA**

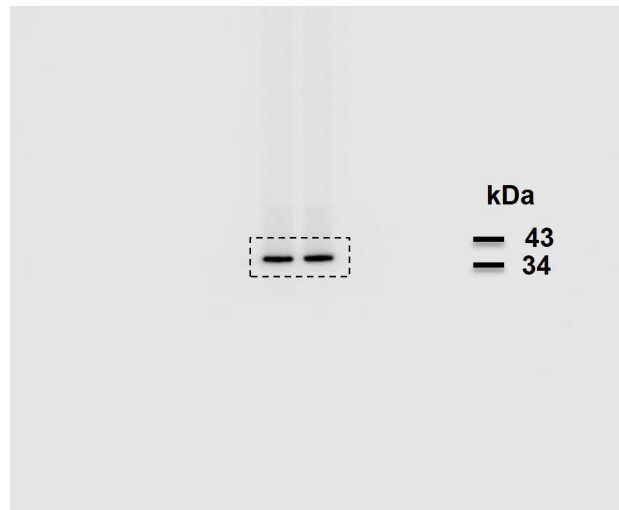


**$\beta$ -actin**

**Supplementary Figure S11.** The original immunoblots of Figure 5C.



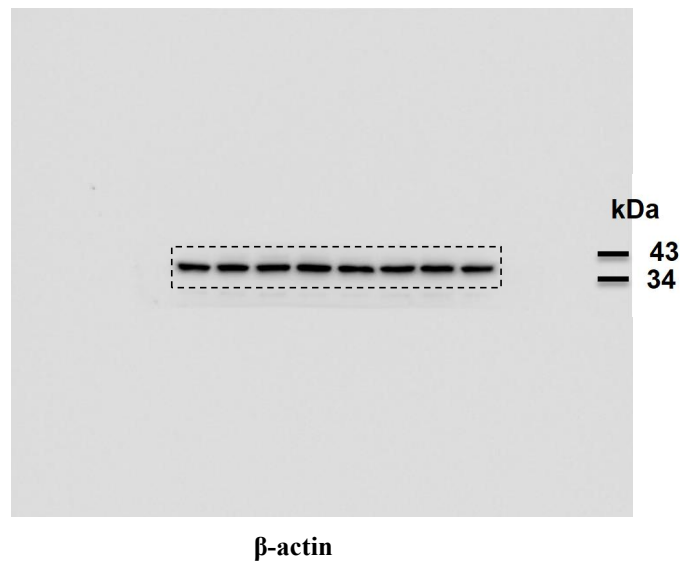
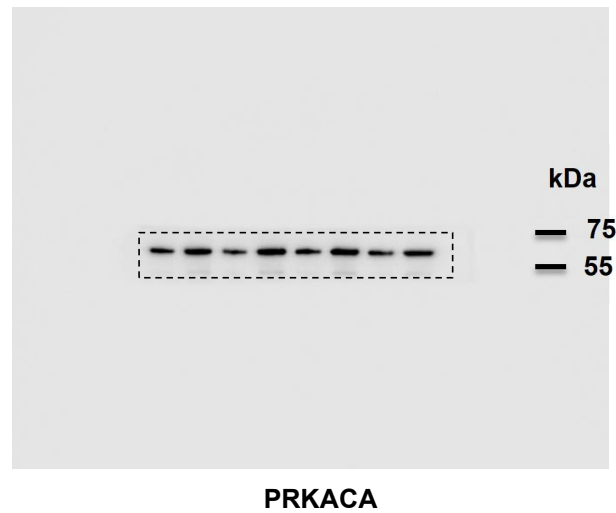
**PRKACA**



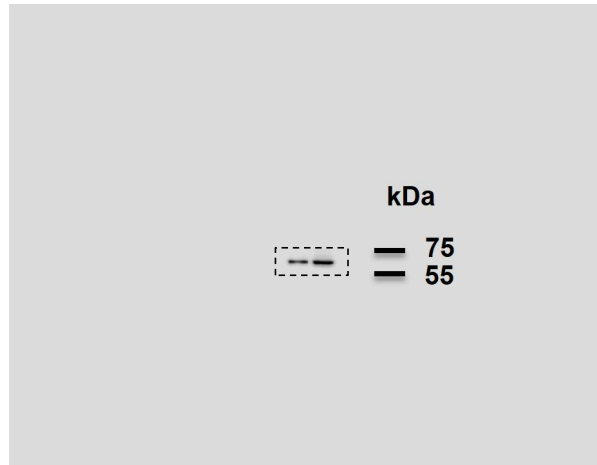
**$\beta$ -actin**

**Supplementary Figure S12.** The original immunoblots of Figure 5E.

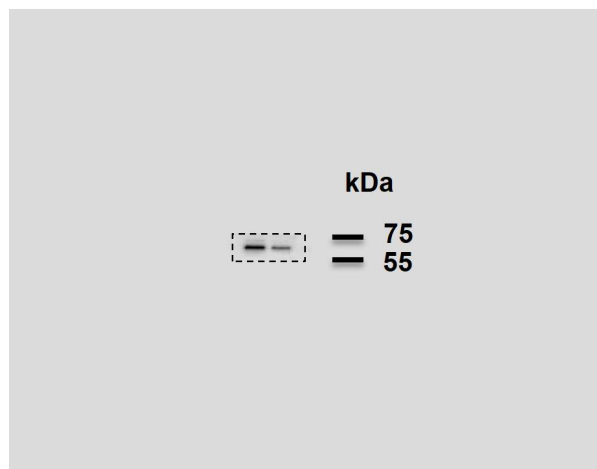




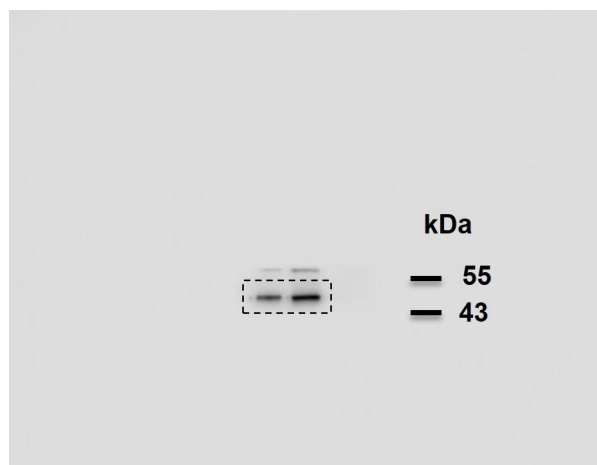
**Supplementary Figure S13.** The original immunoblots of Figure 5H.



**PRKACA**



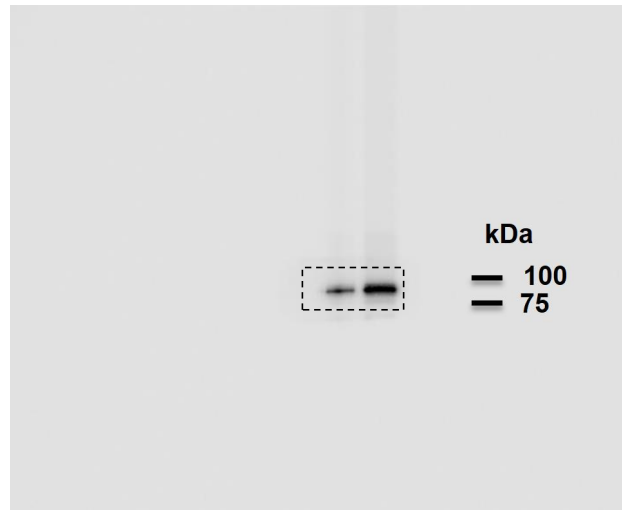
**PRKACA**



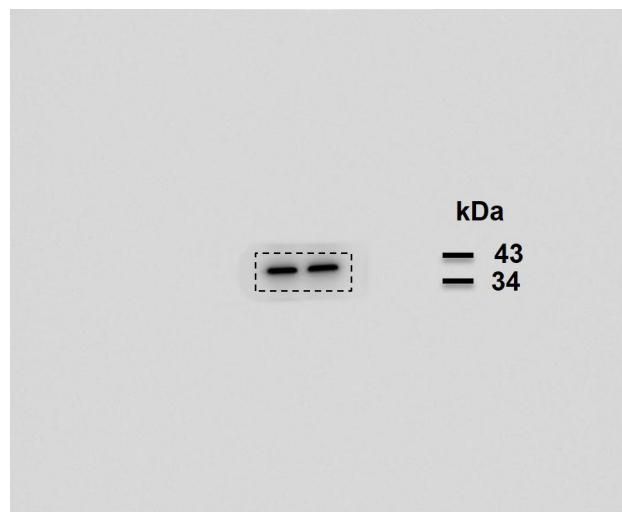
**pGSK3β**



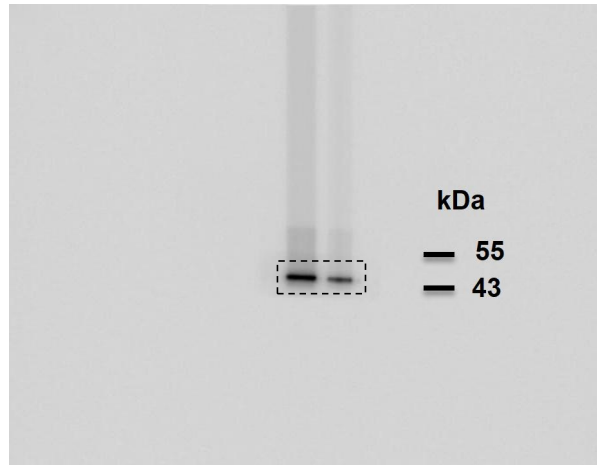
**GSK3 $\beta$**



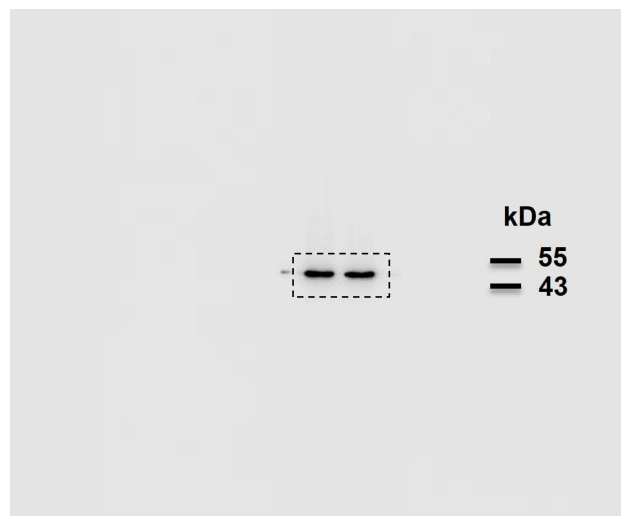
**$\beta$ -catenin**



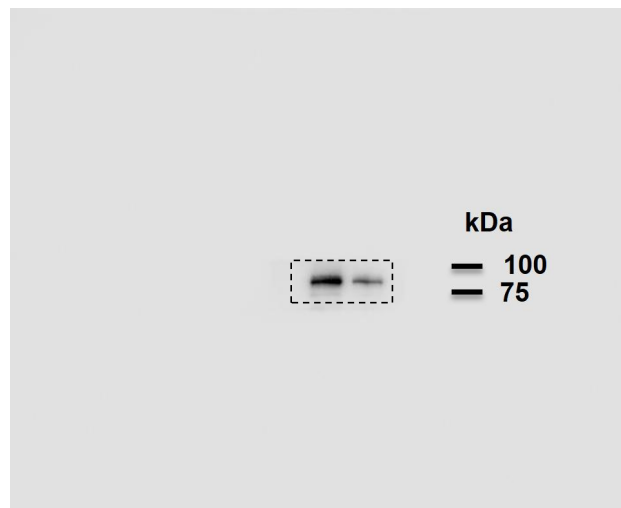
**$\beta$ -actin**



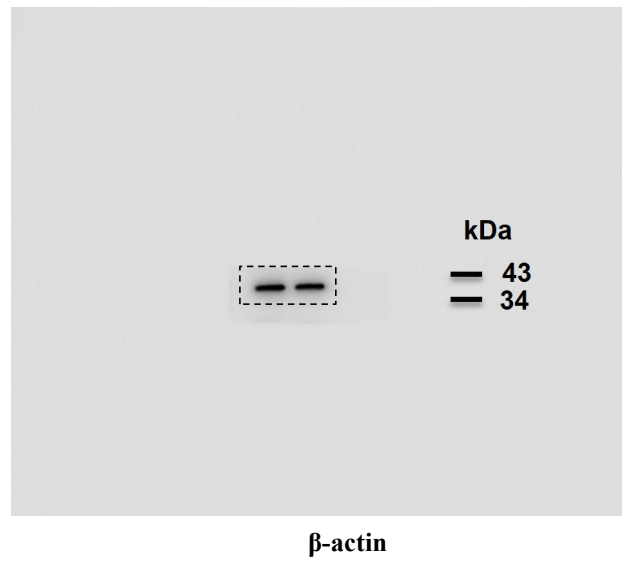
**pGSK3β**



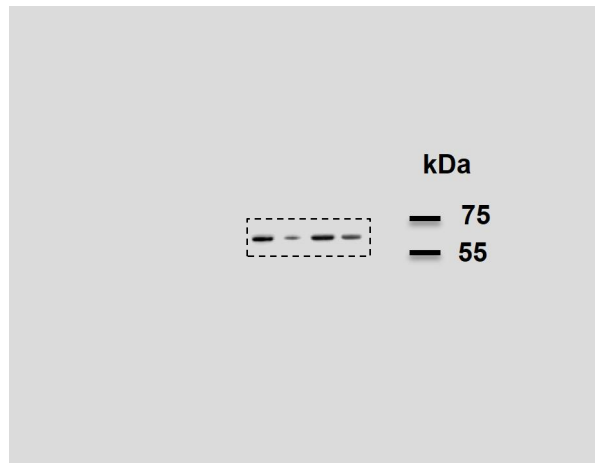
**GSK3β**



**β-catenin**



**Supplementary Figure S14.** The original immunoblots of Figure 6E.



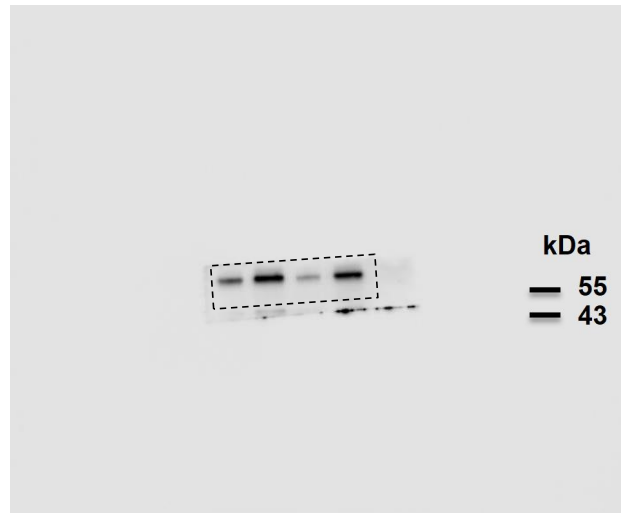
**CARM1**



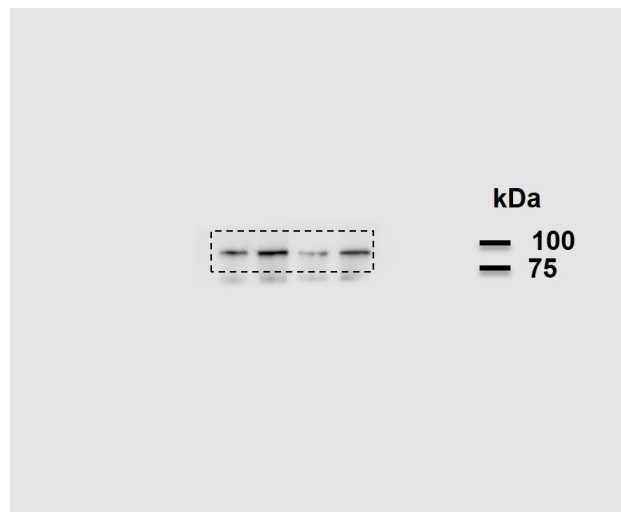
**PRKACA**



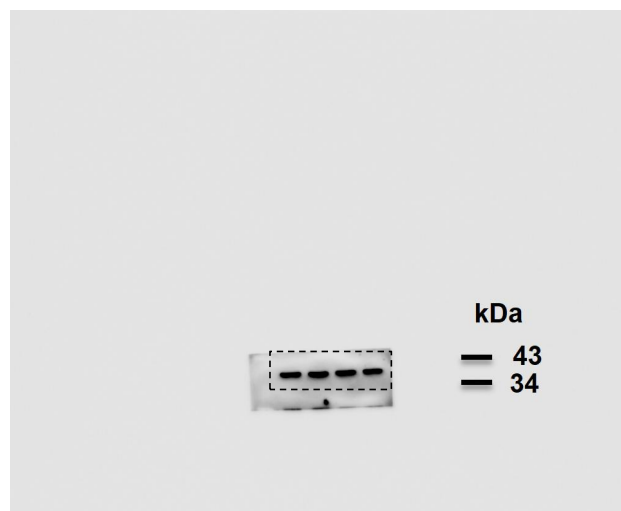
**GSK3β**



pGSK3β

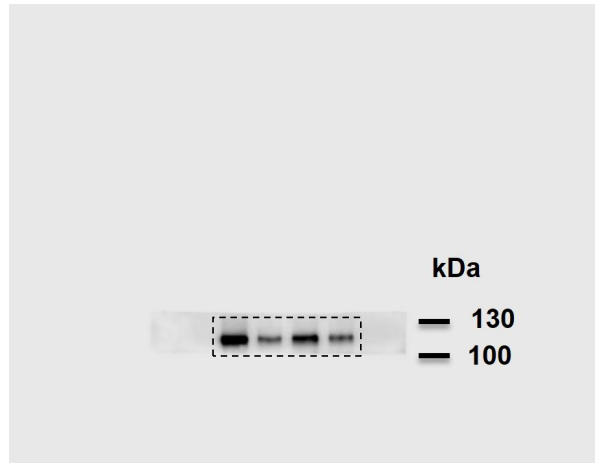


β-catenin

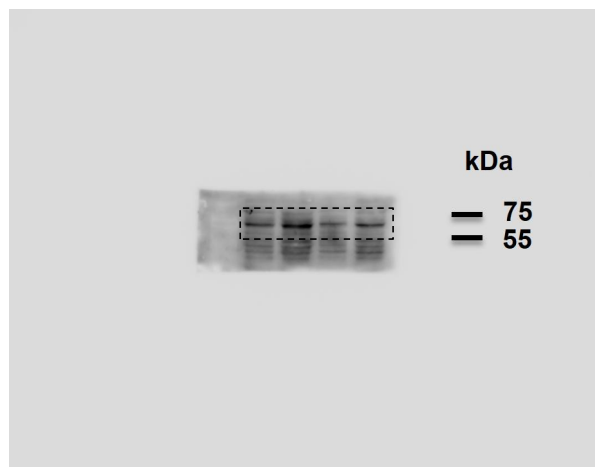


β-actin

**Supplementary Figure S15.** The original immunoblots of Figure 6G.



**RBM5**



**PRKACA**

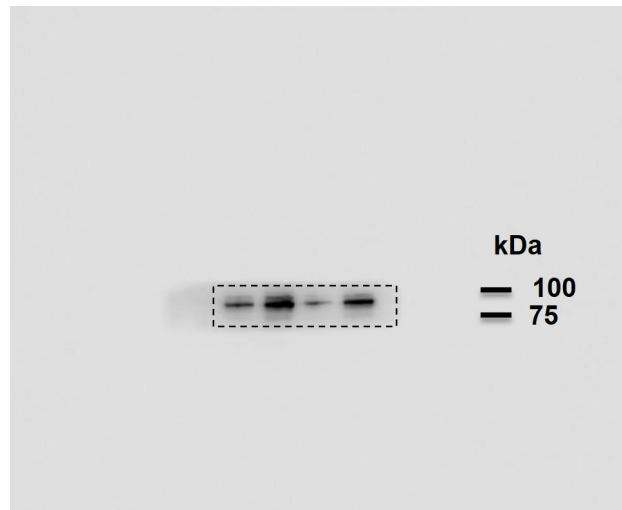


**GSK3β**

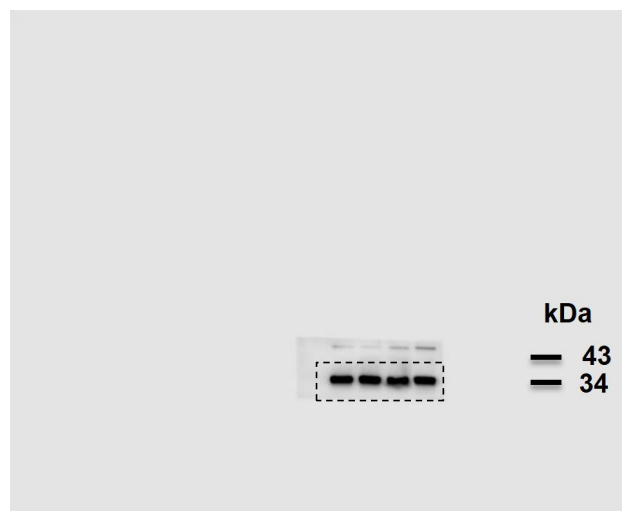




pGSK3 $\beta$

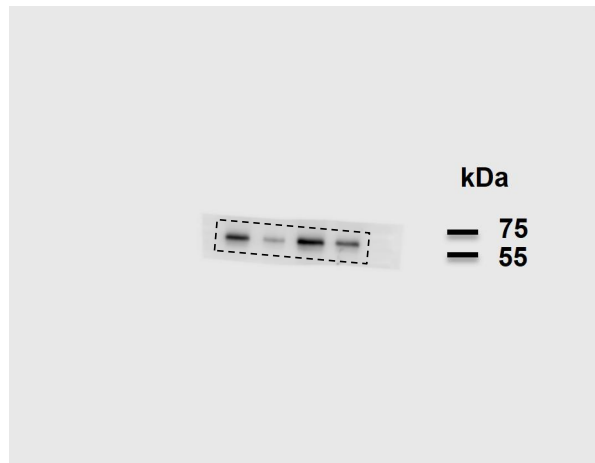


$\beta$ -catenin

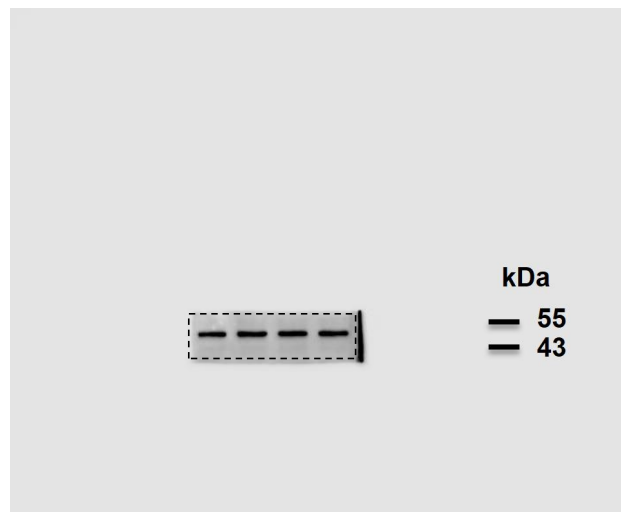


$\beta$ -actin

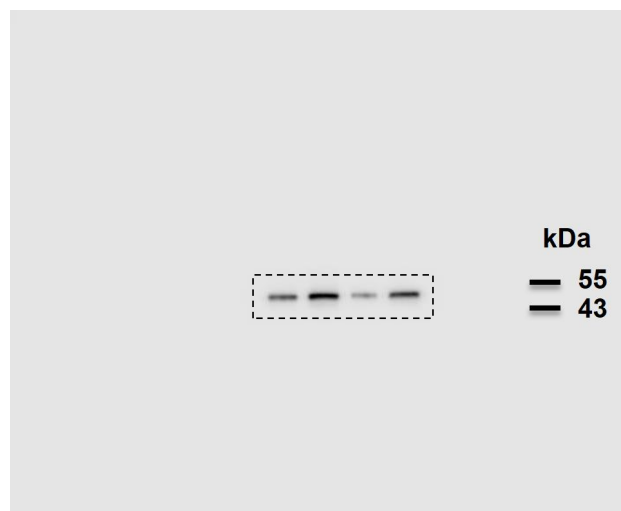
**Supplementary Figure S16.** The original immunoblots of Figure 6I.



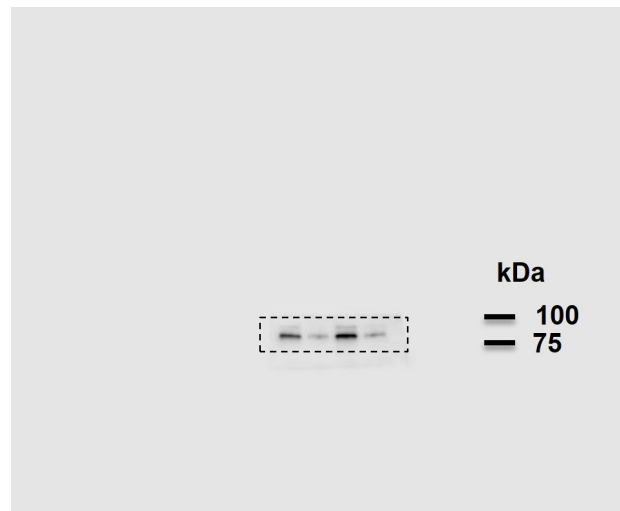
**PRKACA**



**GSK3 $\beta$**



**pGSK3 $\beta$**



$\beta$ -catenin

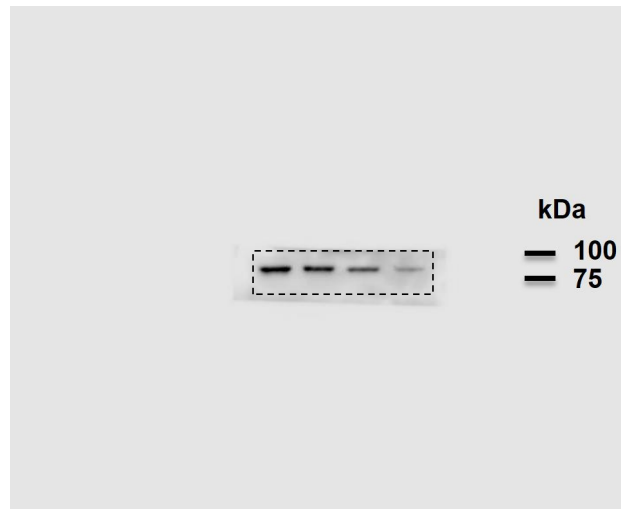


$\beta$ -actin

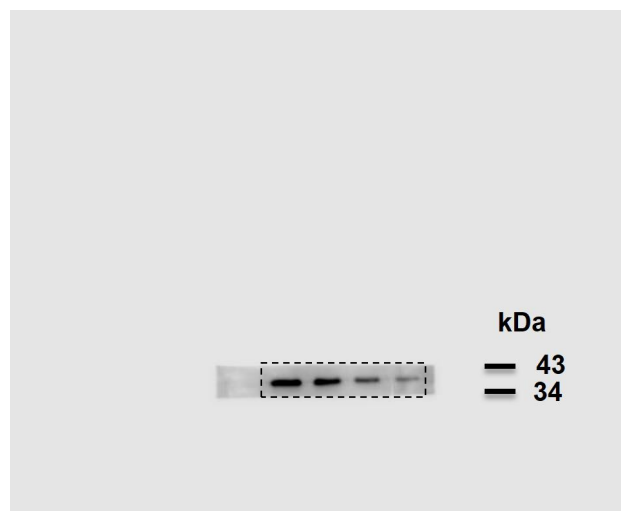
**Supplementary Figure S17.** The original immunoblots of Figure 6K.



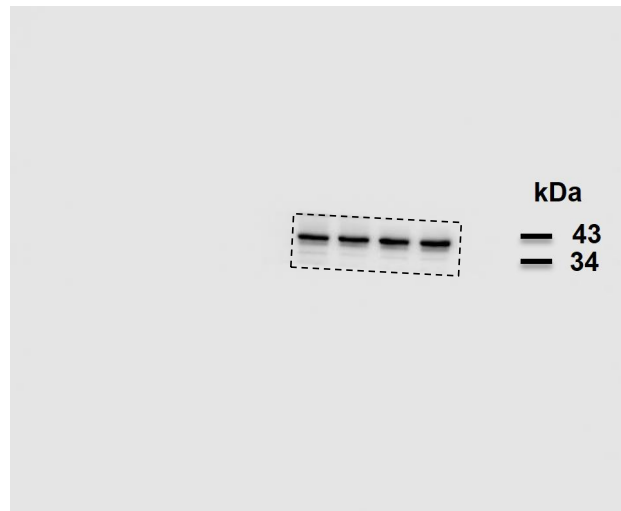
**pGSK3 $\beta$**



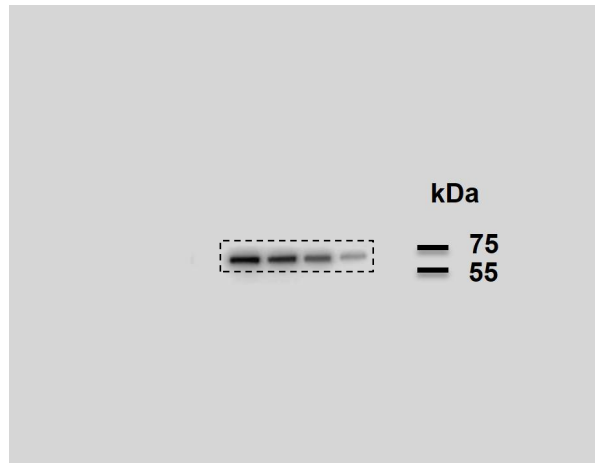
**$\beta$ -catenin**



**CDK4**



$\beta$ -actin



PRKACA



CARM1

**Supplementary Figure S18.** The original immunoblots of Figure 7E.