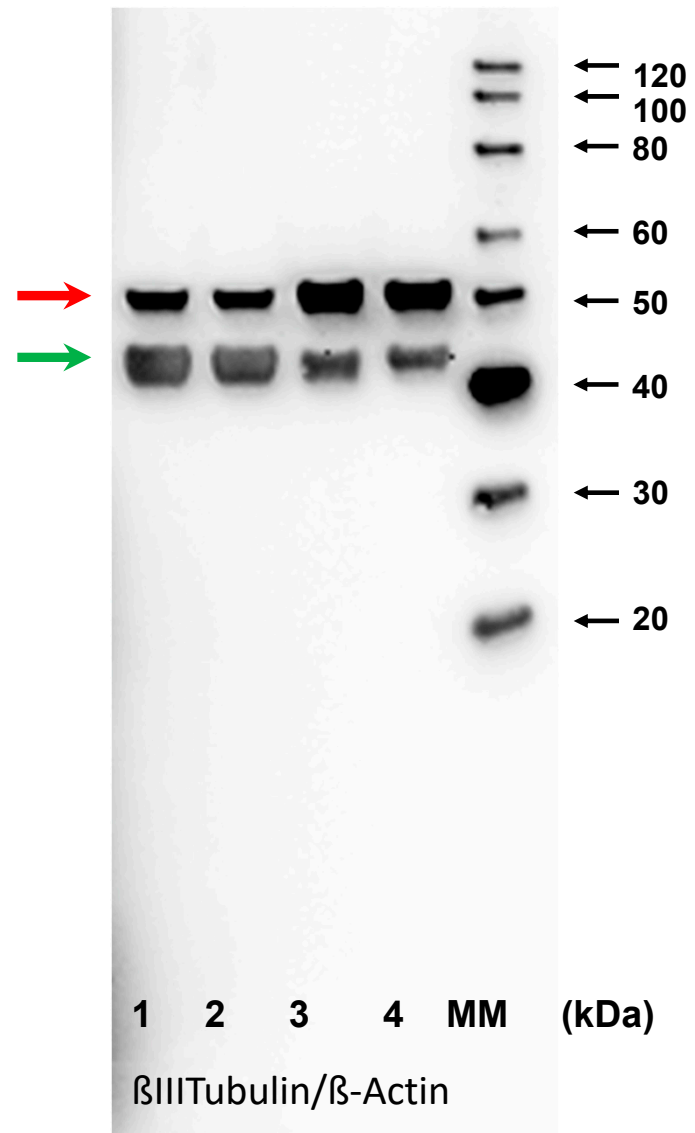
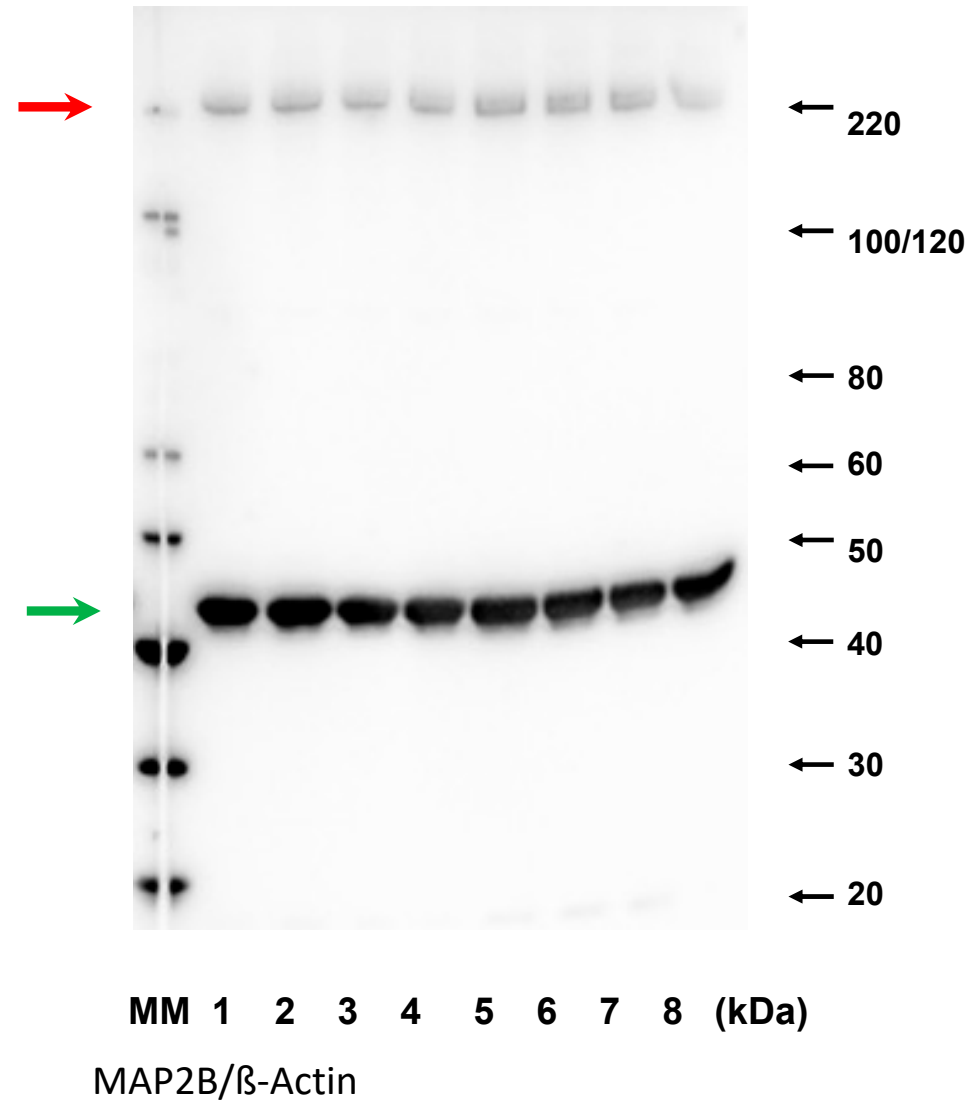


Supplements

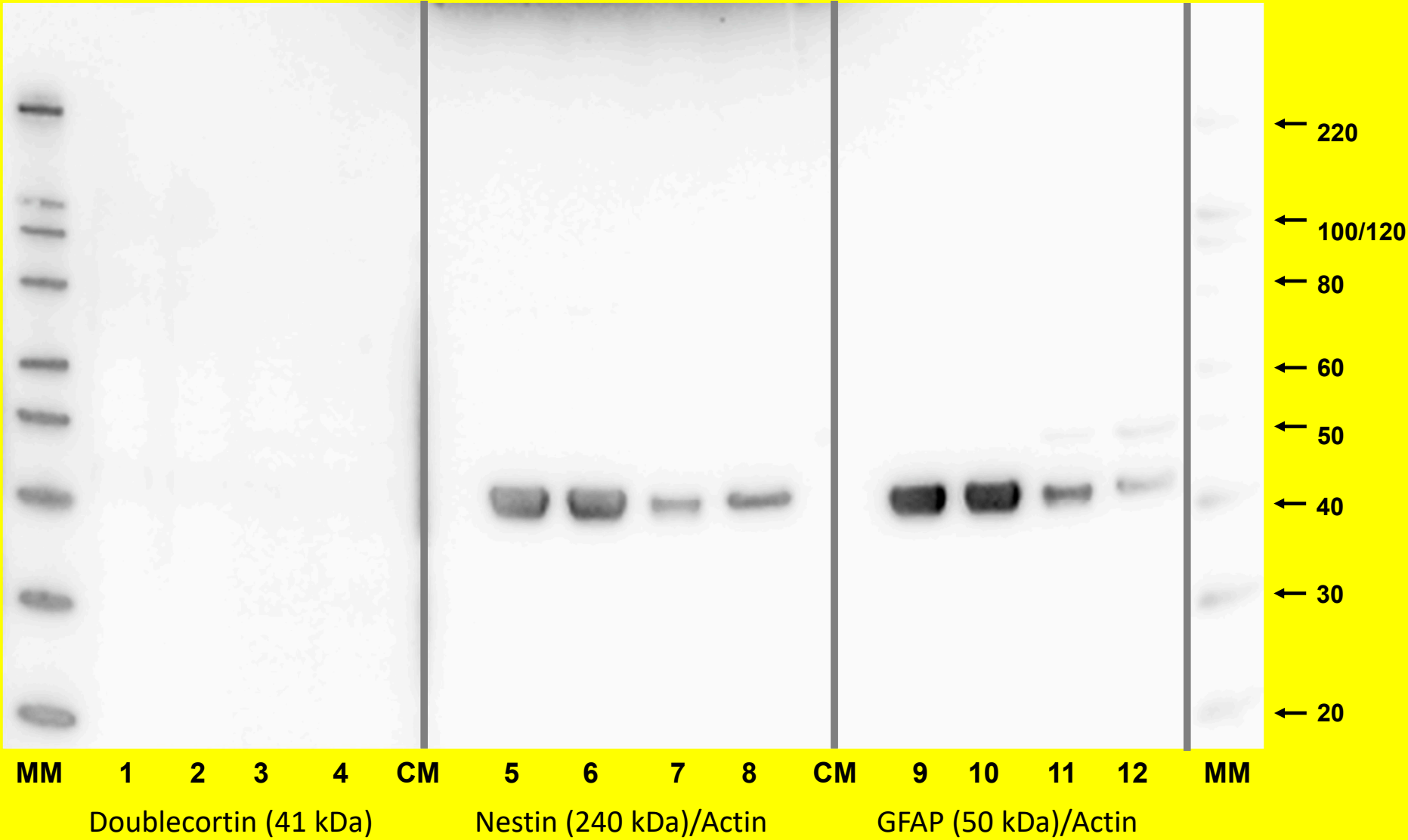
Supplementary Figure S1A β III Tubulin



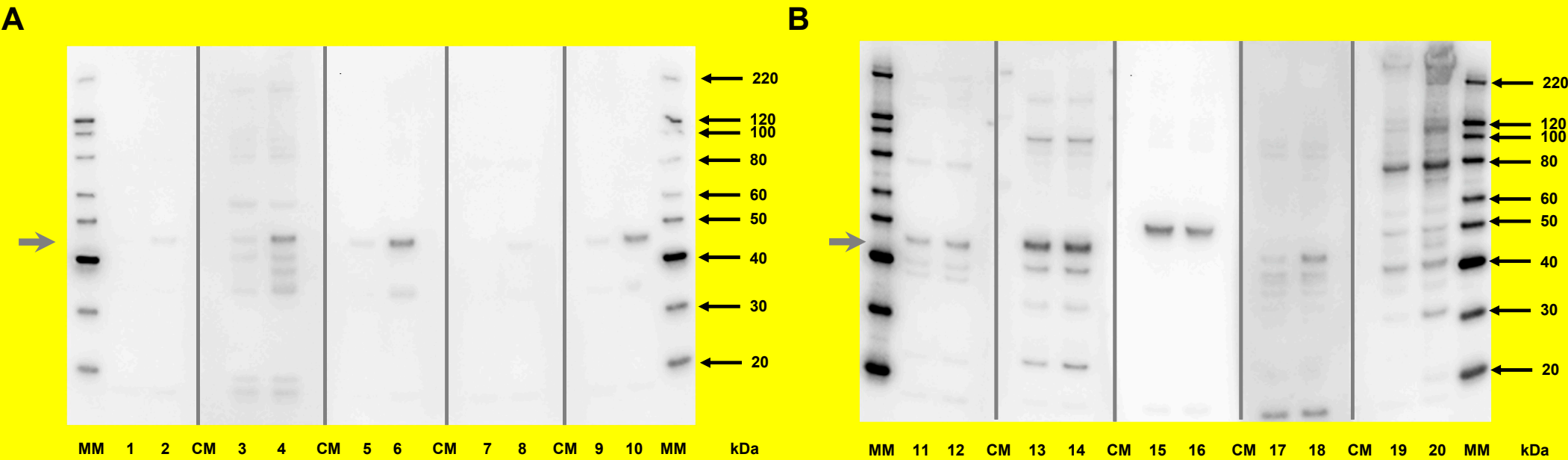
Supplementary Figure S1B MAP2B



Supplementary Figure S2

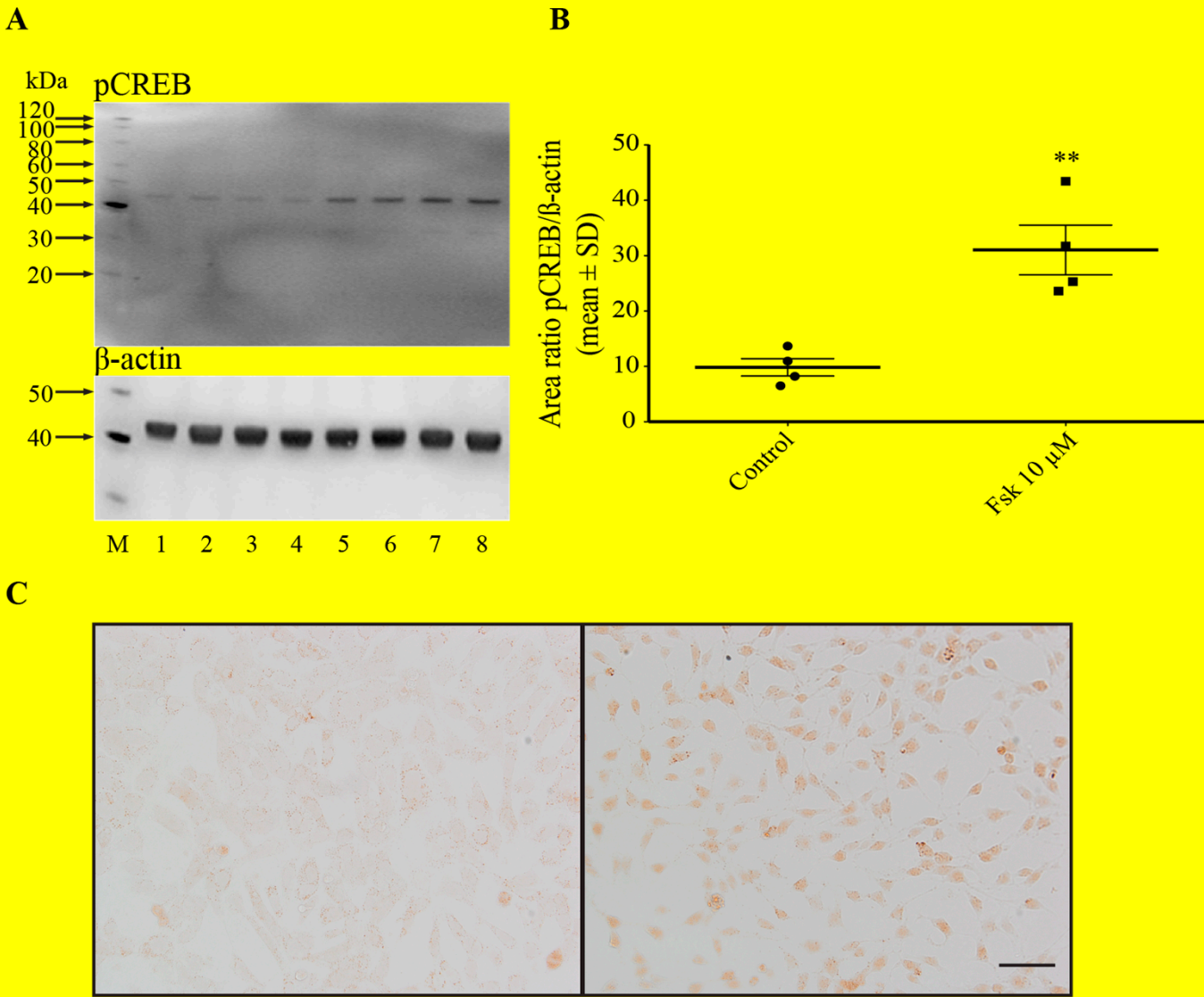


Supplementary Figure S3 pCREB antisera comparison



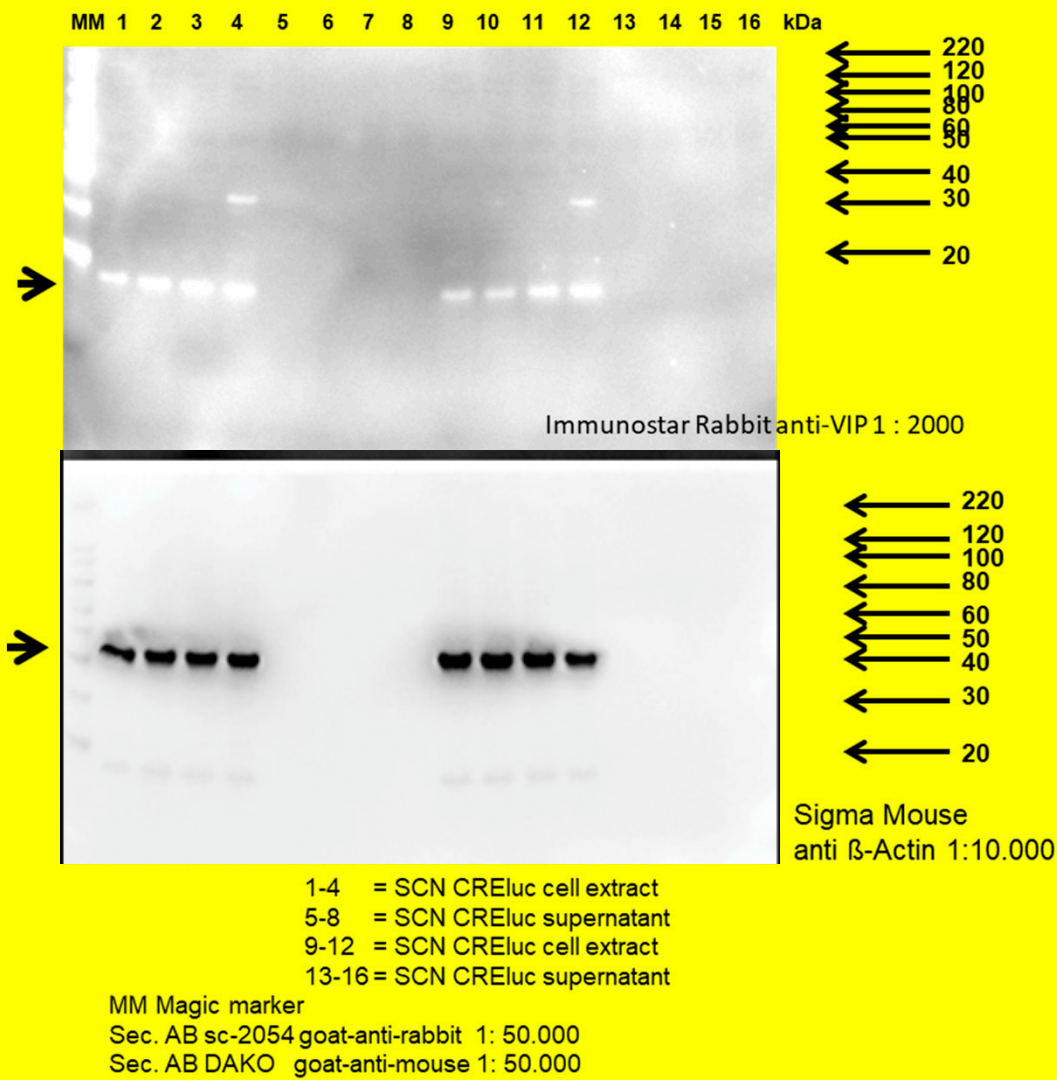
Antigen	Host	Method	Supplier	Dilution		Numbers	
pCREB	Rabbit	Western Blot	Sigma C9102	1:1000		1,2	A
pCREB	Rabbit	Western Blot	SAB 11052	1:1000		3,4	
pCREB	Rabbit	Western Blot	CST#9198s	1:1000		5,6	
pCREB	Rabbit	Western Blot	CST#9191s	1:1000		7,8	
pCREB	Rabbit	Western Blot	87G3; CST	1:1000		9,10	
pCREB	Rabbit	Western Blot	Millipore 06-519	1:1000	Lot:1924367	11,12	B
pCREB	Rabbit	Western Blot	Millipore 06-519	1:1000	Lot:2325090	13,14	
PKA RI α	Mouse	Western Blot	BD Transduction labs	1:5000		15,16	
pCREB	Rabbit	Western Blot	R&DAF2510	1:1000		17,18	
p-PKA substrate	Rabbit	Western Blot	100G7E; CST	1:2000		19,20	

Supplementary Figure S4 pCREB Western blot vs immunocytochemistry

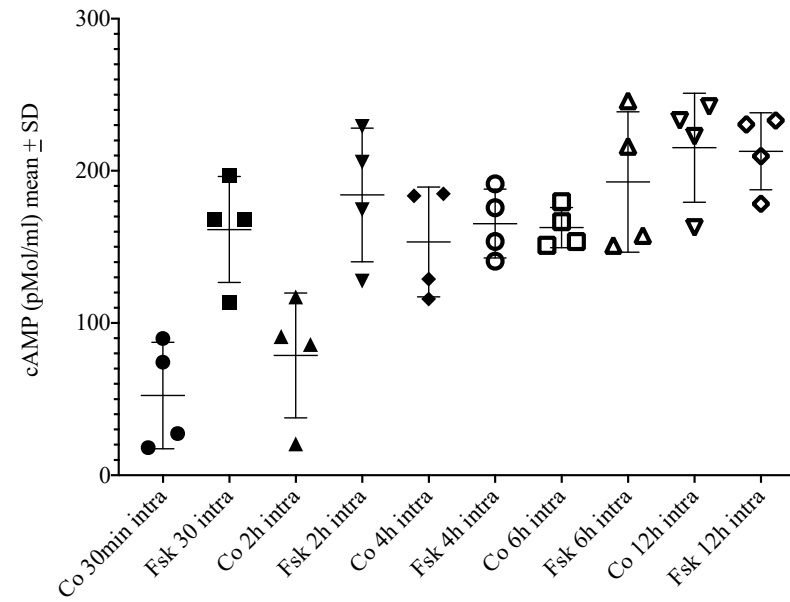


Supplementary Figure S5: proVIP in cells extract (1-4; 9-12) and cell culture supernatant (5-8;13-16)

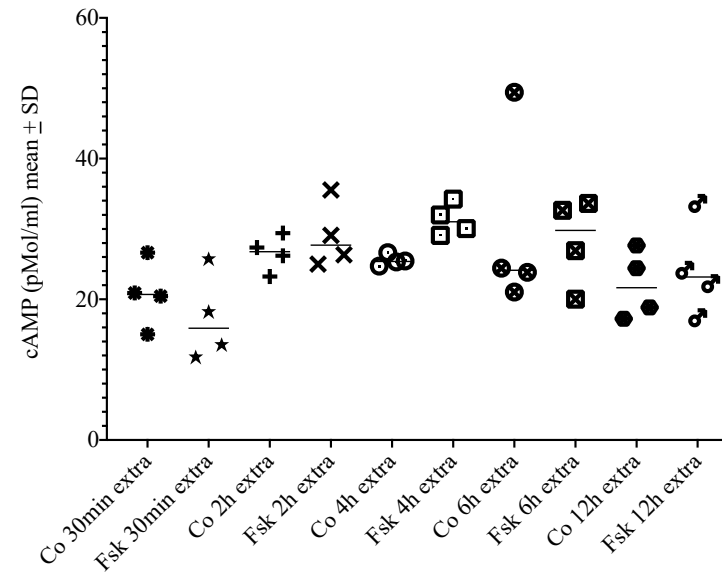
EM83 150126 (VIP)



A

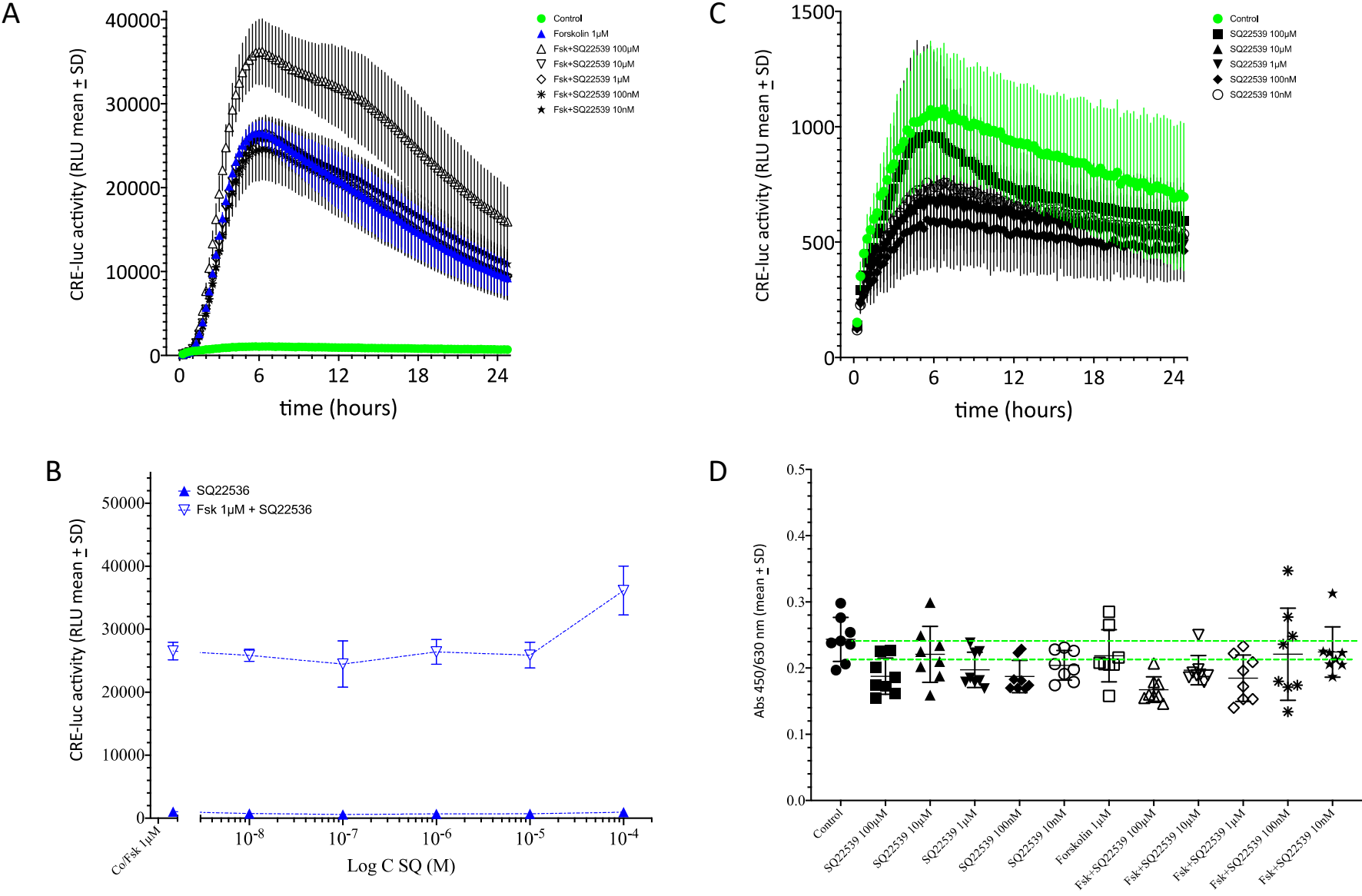


B



Supplementary Figure S6:
Intracellular cAMP (A) is significantly elevated after 30 minutes and two hours of exposure to forskolin (1 μ M), but extracellular cAMP (B) is not different at any time measured up to 12 hours.

Supplementary Figure S7: The effect of SQ22536 on forskolin-induced CRE-luciferase activity and cell vitality



Supplementary Figure S8:
Original Blot images of
the Western blot quantification
in Fig.9B

Co: 1,5,9,13
Fsk 10μM: 2,6,10,14
PMA 1μM: 3,7,11,15
Fsk+PMA: 4,8,12,16

pCREB

β-actin

