

Summary

Production Name	CaMKII Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB,IHC-P,ICC/IF
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification	Affinity Chromatography

Immunogen

Gene Name	CAMK2B
Alternative Names	CAMK2B; CAM2; CAMK2; CAMKB; Calcium/calmodulin-dependent protein kinase type II subunit beta; CaM kinase II subunit beta; CaMK-II subunit beta; CAMK2G; CAMK; CAMK-II; CAMKG; Calcium/calmodulin-dependent protein kinase type II subunit gamma
Gene ID	816
SwissProt ID	Q13554

Application

Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200
Molecular Weight	Calculated MW: 73 kDa; Observed MW: 45,60 kDa

Product Name: CaMKII Rabbit Polyclonal Antibody
Catalog #: APRab01316



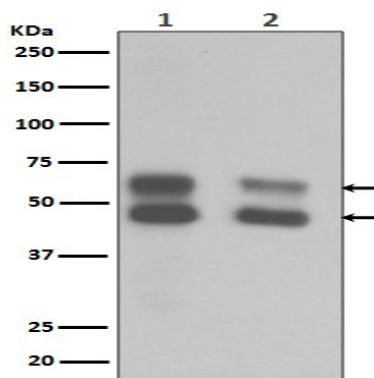
Background

CaM-kinase II (CAMK2) is a prominent kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release. Member of the NMDAR signaling complex in excitatory synapses it may regulate NMDAR-dependent potentiation of the AMPAR and synaptic plasticity.

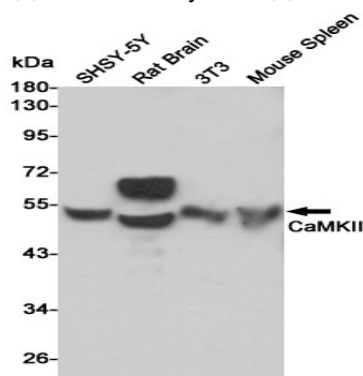
Research Area

Neuroscience

Image Data

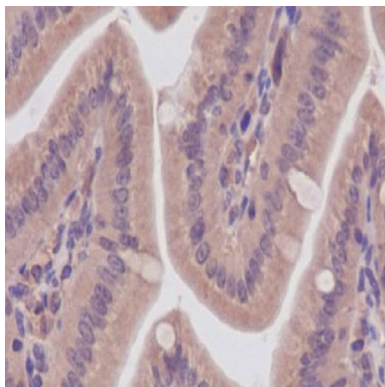


Western blot analysis of CaMKII in (1)mouse brain lysates ;(2)Rat brain lysates using CaMKII antibody.

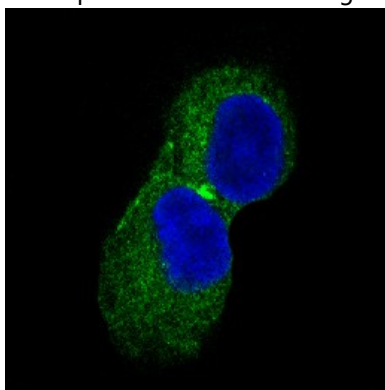


Western blot analysis of CaMKII in SH-SY5Y, rat Brain, 3T3 and mouse Spleen lysates using CaMKII antibody.

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Immunohistochemistry analysis of paraffin-embedded mouse colon, using CaMKII antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunofluorescent analysis of CaMKII in PC-12 using CaMKII antibody.

Note

For research use only.