
Product Name: CaMKII Rabbit Polyclonal Antibody**Catalog #: APRab01316**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification	Affinity Chromatography

Application

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

Antigen Information

Gene Name	CAMK2B CAMK2B; CAM2; CAMK2; CAMKB; Calcium/calmodulin-dependent protein kinase type II
Alternative Names	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
Immunogen	A synthetic peptide corresponding to target protein

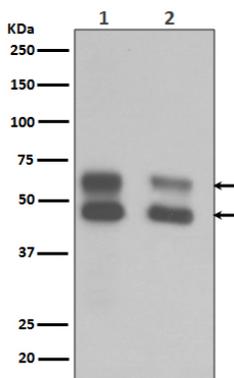
Background

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.

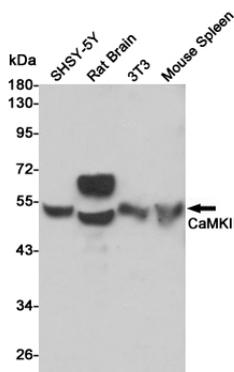
Research Area

Neuroscience

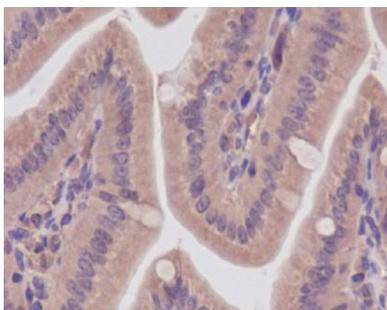
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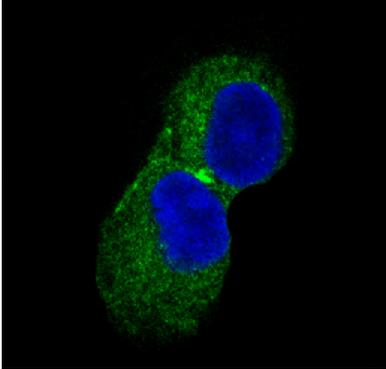
Western blot analysis of CaMKII in (1)mouse brain lysates ;(2)Rat brain lysates using CaMKII antibody.



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



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.