Anti-CaMKII Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P012182

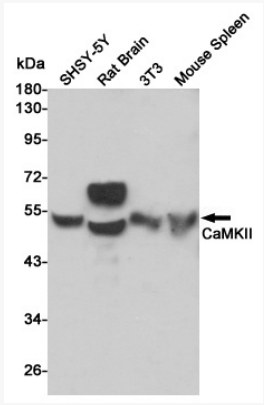
Product Information

Application	WB, IHC-P/IF (Tissue-P), ICC/IF (Cell), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human CaMKII
Format	Buffer System: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Purification: Affinity Chromatography
Storage	Shipped on wet ice. Store at -20℃. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20℃ storage.
Precautions	Anti-CaMKII antibody is for research use only and not for use in diagnostic or therapeutic procedures.

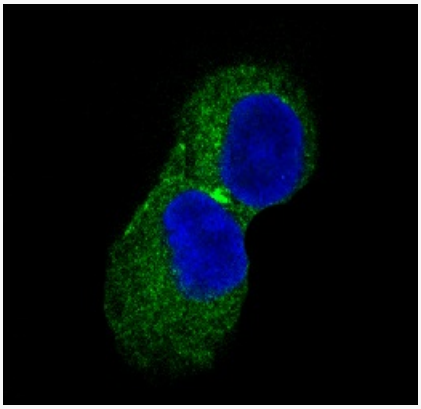
Protein Information

Synonyms	CAMK2B, CAM2, CAMK2, CAMKB, Calcium/calmodulin-dependent protein kinase type II subunit beta, CaM kinase II subunit beta, CaMK-II subunit beta, CAMK, CAMK-II.
Calculated MW	Calculated MW: 73 kDa; Observed MW: 45,60 kDa
Uniprot ID	Q13554
Gene ID	816
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.

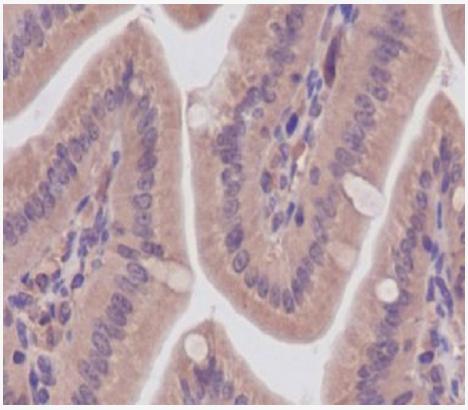
Validation Images



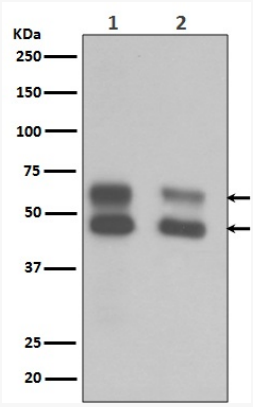
Western blot analysis of CaMKII in SH-SY5Y, rat Brain, 3T3 and mouse Spleen lysates using CaMKII antibody.



Immunofluorescent analysis of CaMKII in PC-12 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.



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