CaMKII alpha (Phospho-Thr286) Rabbit mAb

Catalog No: #14292

Package Size: #14292-1 50ul #14292-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	CaMKII alpha (Phospho-Thr286) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	SR1853
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB, ICC/IF, IHC
Species Reactivity	Mouse Rat
Specificity	Phospho-CaMKII alpha (T286) Antibody detects endogenous levels of total Phospho-CaMKII alpha (T286)
Immunogen Description	A synthesized peptide derived from human Phospho-CaMKII alpha (T286)
Conjugates	Unconjugated
Other Names	Camk2; Camk2a; Camk2b; CAMKA; CaMKII; CaMKIINalpha;
Accession No.	Q9UQM7/P11798/P11275
Calculated MW	Predicted band size: 54 kDa
SDS-PAGE MW	50-60 kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

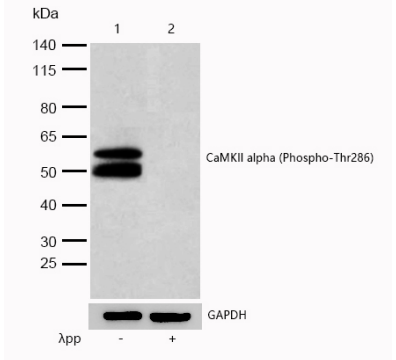
Application Details

WB: 1:500-1:2000

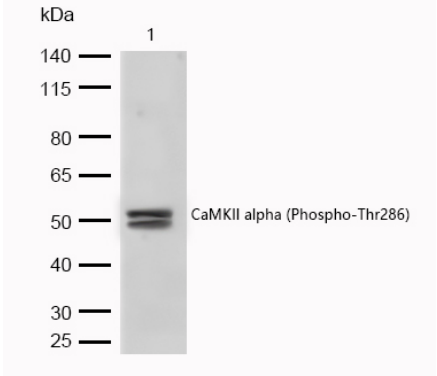
ICC/IF: 1:50-1:200

IHC: 1:50-1:200

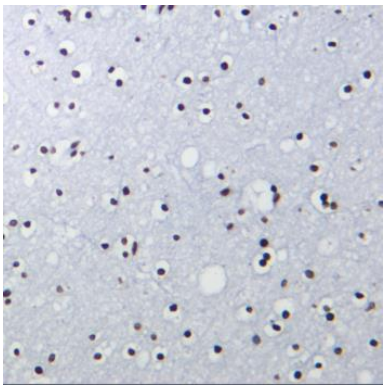
Images



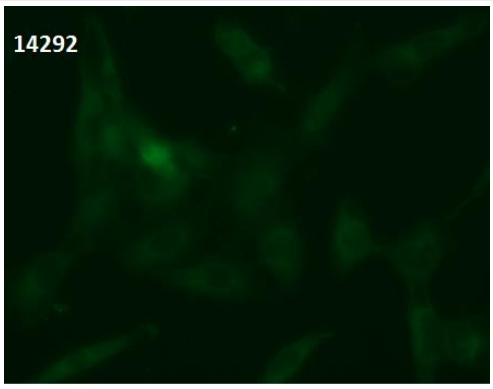
All lanes : CaMKII alpha (Phospho-Thr286) Rabbit mAb at 1/1k dilutionLane 1 :Mouse brain tissue lysateLane 2 : Mouse brain treated with Lambda phosphatase for 30min cell lysateLysates/proteins at 20 µg per lane.SecondaryAll lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilutionPredicted band size: 54 kDa Observed band size: 50-60 kDaExposure time: 7 seconds



All lanes : CaMKII alpha (Phospho-Thr286) Rabbit mAb at 1/1k dilutionLane 1 :Rat brain tissue lysateLysates/proteins at 20 µg per lane.SecondaryAll lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilutionPredicted band size: 54 kDa Observed band size: 50-60 kDaExposure time: 9 seconds



Formalin-fixed, paraffin-embedded human brain tissue stained for CaMKII alpha (Phospho-Thr286) using 14292 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence CaMKII alpha (Phospho-Thr286) antibody (14292)
ICC/IF staining of CaMKII alpha (Phospho-Thr286) in SH-SY5Y cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.
Samples were incubated with 14292 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500.

Background

Function: 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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.