

Datasheet for ABIN732473
anti-CAMK2B antibody (pThr287)

3 Images

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Overview

Quantity:	100 µL
Target:	CAMK2B
Binding Specificity:	pThr287
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CAMK2B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from mouse CaMK2 alpha around the phosphorylation site of Thr287
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Sheep,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	CAMK2B
Alternative Name:	CaMK2 (CAMK2B Products)

Target Details

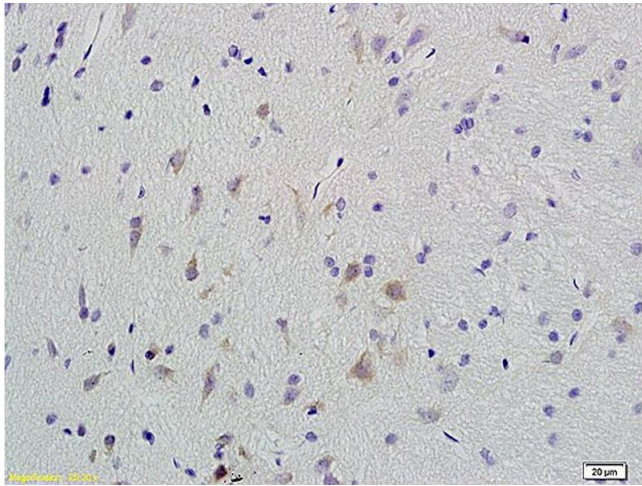
Background:	Synonyms: CaMKII, R74975, mKIAA0968, Calcium/calmodulin-dependent protein kinase type II subunit alpha, CaM kinase II subunit alpha, CaMK-II subunit alpha, Camk2a Background: CaM-kinase II (CAMK2) is a prominent kinase in the central nervous system that may function in long-term potentiation and neurotransmitter release. Member of the NMDAR signaling complex in excitatory synapses it may regulate NMDAR-dependent potentiation of the AMPAR and synaptic plasticity (By similarity).
Gene ID:	12322
UniProt:	P11798
Pathways:	WNT Signaling , Interferon-gamma Pathway , Myometrial Relaxation and Contraction , Regulation of G-Protein Coupled Receptor Protein Signaling , Smooth Muscle Cell Migration , Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400
Restrictions:	For Research Use only

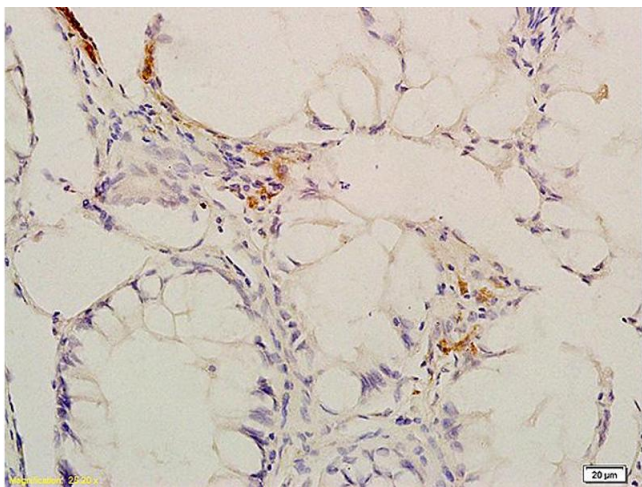
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months



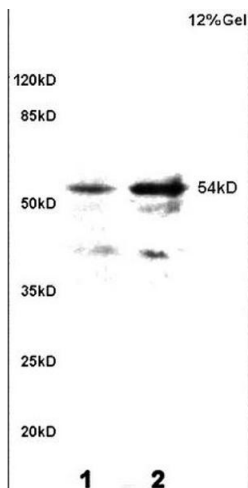
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat brain labeled with Anti-Phospho-CaMKII (Thr286) Polyclonal Antibody, Unconjugated (ABIN732473) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human colon carcinoma labeled with Anti-Phospho-CaMKII (Thr286) Polyclonal Antibody, Unconjugated (ABIN732473) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



SDS-PAGE

Image 3. L1 and L2 rat brain lysates probed with Anti Phospho-CaMKII (Thr286) Polyclonal Antibody, Unconjugated (ABIN732473) at 1:200 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:3000 for 90 min at 37 °C. Predicted band 54kD. Observed band size: 54kD