Product Datasheet

CaMK2 (Phospho-Thr286) Antibody

Catalog No: #14026

Package Size: #14026-1 50ul #14026-2 100ul

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

Description

Product Name	CaMK2 (Phospho-Thr286) Antibody
Host Species	Rabbit
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Applications	WB, ELISA
Species Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous pospho levels of human CaMK2 (Phospho-Thr286)
Immunogen Description	Synthesized pospho peptide derived from human CaMK2 (Phospho-Thr286)
Other Names	Calcium/calmodulin-dependent protein kinase type II subunit delta (CaM kinase II subunit delta) (CaMK-II subunit delta) (EC 2.7.11.17)
Accession No.	Swiss Prot:Q9UQM7/Q13557GeneID:817
Uniprot	Q9UQM7/Q13557
GeneID	817
SDS-PAGE MW	54
Concentration	1 mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1

Application Details

WB 1:500-2000, ELISA(peptide)1:5000-20000

Background

calcium/calmodulin dependent protein kinase II alpha(CAMK2A) Homo sapiens The product of this gene belongs to the serine/threonine protein kinases family, and to the Ca(2+)/calmodulin-dependent protein kinases subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. This calcium calmodulin-dependent protein kinase is composed of four different chains: alpha, beta, gamma, and delta. The alpha chain encoded by this gene is required for hippocampal long-term potentiation (LTP) and spatial learning. In addition to its calcium-calmodulin (CaM)-dependent activity, this protein can undergo autophosphorylation, resulting in CaM-independent activity. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Nov 2008],

Note: This product is for in vitro research use only