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

Host SpeciesRabbitClonalityPolyclonalPurificationThe antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogerApplicationsWB, ELISASpecies ReactivityHuman, Mouse, RatSpecificityThis antibody detects endogenous pospho levels of human CaMK2 (Phospho-Thr286)Immunogen DescriptionSynthesized pospho peptide derived from human CaMK2 (Phospho-Thr286)ConjugatesUnconjugatedOther NamesCalcium/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:817SDS-PAGE MW54Concentration1 mg/ml	Product Name	CaMK2 (Phospho-Thr286) Antibody
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Accession No. Swiss Prot:Q9UQM7/Q13557GeneID:817 SDS-PAGE MW 54	Other Names	Calcium/calmodulin-dependent protein kinase type II subunit delta (CaM kinase II subunit delta) (CaMK-II
SDS-PAGE MW 54		subunit delta) (EC 2.7.11.17)
	Accession No.	Swiss Prot:Q9UQM7/Q13557GeneID:817
Concentration 1 mg/ml	SDS-PAGE MW	54
	Concentration	1 mg/ml
Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.	Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage -20°C/1	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 and is not intended for use in humans or animals.