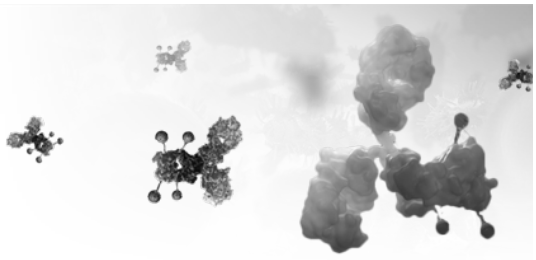

Mouse anti-Human CAMK2D monoclonal antibody, clone 2C22 (CABT-B9892)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	CAMK2D (AAH32784, 301 a.a. ~ 410 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	2C22
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	KGAILTTMLATRNFSAAKSLLKKPDGVKESTESSNTTIEDEDVKARKQEIIKVTEQLIEA INNGDFEAYTKICDPGLTAFEPEALGNLVEGMDFHRFYFENALSKSNKPI
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	The product of this gene belongs to the serine/threonine protein kinase family and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. Calcium signaling is crucial for several

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	aspects of plasticity at glutamatergic synapses. In mammalian cells, the enzyme is composed of four different chains: alpha, beta, gamma, and delta. The product of this gene is a delta chain. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Distinct isoforms of this chain have different expression patterns.[provided by RefSeq, Nov 2008]
Keywords	CAMK2D; calcium/calmodulin-dependent protein kinase II delta; CAMKD; calcium/calmodulin-dependent protein kinase type II subunit delta; CaMK-II delta subunit; caMK-II subunit delta; CaM-kinase II delta chain; CaM kinase II delta subunit; caM kinase II subunit delta; calcium/calmodulin-dependent protein kinase type II delta chain; calcium/calmodulin-dependent protein kinase (CaM kinase) II delta;

GENE INFORMATION

Entrez Gene ID	817
UniProt ID	Q13557
Pathway	Activation of NMDA receptor upon glutamate binding and postsynaptic events, organism-specific biosystem; CREB phosphorylation through the activation of CaMKII, organism-specific biosystem; CREB phosphorylation through the activation of Ras, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem
Function	ATP binding; calmodulin binding; calmodulin-dependent protein kinase activity; nucleotide binding; protein binding

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