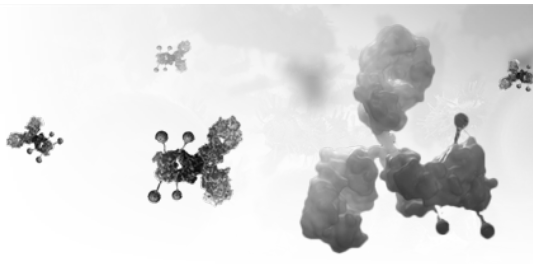

CASP2 blocking peptide (CDBP5243)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Caspases mediate cellular apoptosis through the proteolytic cleavage of specific protein substrates. The encoded protein may function in stress-induced cell death pathways, cell cycle maintenance, and the suppression of tumorigenesis. Increased expression of this gene may play a role in neurodegenerative disorders including Alzheimer's disease, Huntington's disease and temporal lobe epilepsy. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	CASP2 caspase 2, apoptosis-related cysteine peptidase [Homo sapiens (human)]
Official Symbol	CASP2
Synonyms	CASP2; caspase 2, apoptosis-related cysteine peptidase; ICH1; NEDD2; CASP-2; NEDD-2; PPP1R57; caspase-2; protease ICH-1; protein phosphatase 1, regulatory subunit 57; neural precursor cell expressed developmentally down-regulated protein 2

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Entrez Gene ID	835
mRNA Refseq	NM_001224
Protein Refseq	NP_001215
UniProt ID	P42575
Pathway	Apoptosis; Apoptosis Modulation and Signaling; Apoptosis Modulation by HSP70; Caspase cascade in apoptosis; Cell death signalling via NRAGE; HIV-1 Nef: Negative effector of Fas and TNF-alpha; Immune System; Innate Immune System
Function	cysteine-type endopeptidase activity; cysteine-type endopeptidase activity involved in apoptotic process; enzyme binding; protein binding; protein domain specific binding

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