



CASP9 blocking peptide (CDBP5247)

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. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein can undergo autoproteolytic processing and activation by the apoptosome, a protein complex of cytochrome c and the apoptotic peptidase activating factor 1; this step is thought to be one of the earliest in the caspase activation cascade. This protein is thought to play a central role in apoptosis and to be a tumor suppressor. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]
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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	CASP9 caspase 9, apoptosis-related cysteine peptidase [Homo sapiens (human)]
Official Symbol	CASP9
Synonyms	CASP9; caspase 9, apoptosis-related cysteine peptidase; MCH6; APAF3; APAF-3; PPP1R56;

ICE-LAP6; caspase-9; apoptotic protease MCH-6; ICE-like apoptotic protease 6; apoptotic protease activating factor 3; protein phosphatase 1, regulatory subunit 56

Entrez Gene ID	842
mRNA Refseq	NM_001229
Protein Refseq	NP_001220
UniProt ID	P55211
Pathway	AGE/RAGE pathway; AKT phosphorylates targets in the cytosol; Activation of caspases through apoptosome-mediated cleavage; Adaptive Immune System; Alzheimer's disease; Alzheimers Disease; Amyotrophic lateral sclerosis (ALS); Apoptosis
Function	SH3 domain binding; cysteine-type endopeptidase activity; enzyme activator activity; peptidase activity; protein binding; protein kinase binding