



CASP4 blocking peptide (CDBP5244)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein that is 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 composed of a prodomain and a large and small protease subunit. Activation of caspases requires proteolytic processing at conserved internal aspartic residues to generate a heterodimeric enzyme consisting of the large and small subunits. This caspase is able to cleave and activate its own precursor protein, as well as caspase 1 precursor. When overexpressed, this gene induces cell apoptosis. Alternative splicing results in transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]
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Conjugate	Unconjugated
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Applications	Used as a blocking peptide in immunoblotting applications.
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Format	Liquid
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Concentration	200 µg/mL
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Size	0.05 mg
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Preservative	None
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Storage	-20°C
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GENE INFORMATION

Gene Name	CASP4 caspase 4, apoptosis-related cysteine peptidase [Homo sapiens (human)]
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Official Symbol	CASP4
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Synonyms	CASP4; caspase 4, apoptosis-related cysteine peptidase; TX; ICH-2; Mih1/TX; ICEREL-II; ICE(rel)II; caspase-4; CASP-4; ICE(rel)-II; protease TX; protease ICH-2; apoptotic cysteine
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protease Mih1/TX; caspase 4, apoptosis-related cysteine protease

Entrez Gene ID	837
mRNA Refseq	NM_001225
Protein Refseq	NP_001216
UniProt ID	P49662
Pathway	Apoptosis; Caspase cascade in apoptosis; Immune System; Innate Immune System; NOD1/2 Signaling Pathway; Nucleotide-binding domain
Function	cysteine-type endopeptidase activity