



# Human CASP10 blocking peptide (CDBP0686)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Caspase 10 ( C - term ) peptide ( human )
<b>Antigen Description</b>	This gene encodes a protein which 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 which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 3 and 7, and the protein itself is processed by caspase 8. Mutations in this gene are associated with type IIA autoimmune lymphoproliferative syndrome, non-Hodgkin lymphoma and gastric cancer. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Apr 2011]
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	BL
<b>Concentration</b>	0.2 mg/ml
<b>Size</b>	50 µg
<b>Buffer</b>	PBS with 0.1% BSA 0.02% sodium azide pH7.2
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Upon Receipt - Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid freeze-thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CASP10 caspase 10, apoptosis-related cysteine peptidase [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	CASP10
<b>Synonyms</b>	CASP10; caspase 10, apoptosis-related cysteine peptidase; MCH4; ALPS2; FLICE2; caspase-10; CASP-10; FADD-like ICE2; apoptotic protease MCH-4; ICE-like apoptotic protease 4; interleukin-1B-converting enzyme 2; caspase 10, apoptosis-related cysteine protease; FAS-associated death domain protein interleukin-1B-converting enzyme 2;
<b>Entrez Gene ID</b>	<a href="#">843</a>
<b>mRNA Refseq</b>	<a href="#">NM_001206524.1</a>
<b>Protein Refseq</b>	<a href="#">NP_001193453.1</a>
<b>UniProt ID</b>	Q92851
<b>Chromosome Location</b>	2q33-q34
<b>Pathway</b>	Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis Modulation and Signaling, organism-specific biosystem; Caspase cascade in apoptosis, organism-specific biosystem; Death Receptor Signalling, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem; Extrinsic Pathway for Apoptosis, organism-specific biosystem; FAS (CD95) signaling pathway, organism-specific biosyst
<b>Function</b>	cysteine-type endopeptidase activity; cysteine-type endopeptidase activity involved in apoptotic signaling pathway; death effector domain binding; protein binding; ubiquitin protein ligase binding;