

**CASP10 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP1326b****Specification****CASP10 Antibody (C-term) Blocking Peptide -  
Product Information**Primary Accession [Q92851](#)**CASP10 Antibody (C-term) Blocking Peptide -  
Additional Information****Gene ID 843****Other Names**

Caspase-10, CASP-10, Apoptotic protease  
Mch-4, FAS-associated death domain  
protein interleukin-1B-converting enzyme 2,  
FLICE2, ICE-like apoptotic protease 4,  
Caspase-10 subunit p23/17, Caspase-10  
subunit p12, CASP10, MCH4

**Target/Specificity**

The synthetic peptide sequence used to  
generate the antibody <a  
href=/products/AP1326b>AP1326b</a>  
was selected from the C-term region of  
human CASP10. A 10 to 100 fold molar  
excess to antibody is recommended.  
Precise conditions should be optimized for a  
particular assay.

**Format**

Peptides are lyophilized in a solid powder  
format. Peptides can be reconstituted in  
solution using the appropriate buffer as  
needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6  
months. For long term storage store at  
-20°C.

**Precautions**

This product is for research use only. Not  
for use in diagnostic or therapeutic  
procedures.

**CASP10 Antibody (C-term) Blocking Peptide -  
Protein Information****CASP10 Antibody (C-term) Blocking  
Peptide - Background**

CASP10 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  
the protein are associated with apoptosis  
defects seen in type II autoimmune  
lymphoproliferative syndrome.

**CASP10 Antibody (C-term) Blocking  
Peptide - References**

Lan,Q., Morton,L.M. Blood 114 (2), 264-267  
(2009)Kim,Y.R., Kim,K.M. Hum. Pathol. 40 (6),  
868-871 (2009)Lisa-Santamaria,P. Biochim.  
Biophys. Acta 1793 (3), 561-571 (2009)

**Name** CASP10

**Synonyms** MCH4

**Function**

Involved in the activation cascade of caspases responsible for apoptosis execution. Recruited to both Fas- and TNFR-1 receptors in a FADD dependent manner. May participate in the granzyme B apoptotic pathways. Cleaves and activates caspase-3, -4, -6, -7, -8, and -9. Hydrolyzes the small- molecule substrates, Tyr-Val-Ala-Asp-|-AMC and Asp-Glu-Val-Asp-|-AMC.

**Tissue Location**

Detectable in most tissues. Lowest expression is seen in brain, kidney, prostate, testis and colon

**CASP10 Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)