

CASP10 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP1326c**Specification****CASP10 Antibody (Center) Blocking Peptide -
Product Information**Primary Accession [Q92851](#)**CASP10 Antibody (Center) 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 AP1326c
was selected from the Center 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 (Center) Blocking Peptide -
Protein Information****CASP10 Antibody (Center) 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 (Center) 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 (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)