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CASP7 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP1328b

Specification

CASP7 Antibody (Center) Blocking Peptide - Product Information

Primary Accession P55210

CASP7 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 840

Other Names
Caspase-7, CASP-7, Apoptotic protease Mch-3, CMH-1, ICE-like apoptotic protease 3, ICE-LAP3, Caspase-7 subunit p20, Caspase-7 subunit p11, CASP7, MCH3

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP1328b was selected from the Center region of human CASP7. 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.

CASP7 Antibody (Center) Blocking Peptide - Protein Information

Name CASP7

CASP7 Antibody (Center) Blocking Peptide - Background

CASP7 is 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. The precursor of this caspase is cleaved by caspase 3 and 10. It is activated upon cell death stimuli and induces apoptosis.

CASP7 Antibody (Center) Blocking Peptide - References

Xu,H.L., Cancer Epidemiol. Biomarkers Prev. 18 (7), 2114-2122 (2009)Gibot,L., Biochem. J. 420 (3), 473-483 (2009)Kim,Y.R., Hum. Pathol. 40 (6), 868-871 (2009)

Synonyms MCH3

Function
Involved in the activation cascade of caspases responsible for apoptosis execution. Cleaves and activates sterol regulatory element binding proteins (SREBPs). Proteolytically cleaves poly(ADP-ribose) polymerase (PARP) at a '216-Asp-|-Gly-217' bond. Overexpression promotes programmed cell death.

Cellular Location
Cytoplasm.

Tissue Location
Highly expressed in lung, skeletal muscle, liver, kidney, spleen and heart, and moderately in testis. No expression in the brain

CASP7 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides