

CASP7 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP1328c**Specification****CASP7 Antibody (C-term) Blocking Peptide -
Product Information**Primary Accession [P55210](#)**CASP7 Antibody (C-term) 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 [AP1328c](#) 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 (C-term) Blocking Peptide -
Protein Information****Name CASP7****CASP7 Antibody (C-term) 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 (C-term) 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 (C-term) Blocking Peptide
- Protocols**

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

- [Blocking Peptides](#)