

Rabbit Caspase-7 Polyclonal Antibody | anti-CASP7 antibody

Caspase-7 Antibody

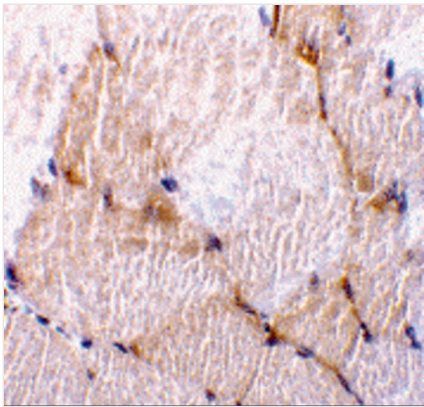
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40066	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

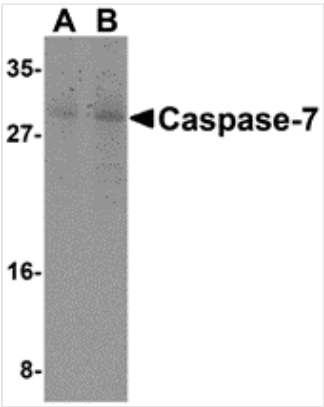
Caspase-7; Polyclonal Antibody; Caspase-7 Antibody; MCH3; CMH-1; LICE2; CASP-7; ICE-LAP3; Apoptotic protease Mch-3; caspase 7; apoptosis-related cysteine peptidase; anti-CASP7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Depending on cell lines or tissues used, other cleavage products may be observed.
Purity/Purification	Caspase-7 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	303
Applicable Applications for anti-CASP7 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Caspase-7 antibody was raised against a 16 amino acid synthetic peptide from near the amino-terminus of human Caspase-7.
Buffer	Caspase-7 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Caspase-7 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



IHC (Immunohistochemistry)
Immunohistochemistry of caspase-7 in rat skeletal muscle tissue with caspase-7 antibody at 10 μg/mL.



WB (Western Blot)
Western blot analysis of Caspase-7 in mouse skeletal muscle cell lysate with Caspase-7 antibody at (A) 0.5 and (B) 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-CASP7 antibody	Caspase-7 Antibody: Caspases are a family of cysteine proteases that can be divided into the apoptotic and inflammatory caspase subfamilies. Unlike the apoptotic caspases, members of the inflammatory subfamily are generally not involved in cell death but are associated with the immune response to microbial pathogens. The apoptotic subfamily can be further divided into initiator caspases, which are activated in response to death signals, and executioner caspases, which are activated by the initiator caspases and are responsible for cleavage of cellular substrates that ultimately lead to cell death. Caspase-7 is an executioner caspase that was identified based on its homology with caspases 1 and 3, as well as the <i>C. elegans</i> cell death protein CED-3. Alternative splicing of Caspase-7 mRNA results in the production of 3 distinct isoforms. Caspase-7 activity can be directly inhibited by XIAP expression.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1730092
NCBI GeneID	840
UniProt Accession #	P55210; Q13364; Q53YD5; Q5SVL0; Q5SVL3; Q96BA0; B4DQU7; B5BU45; D3DRB8
Molecular Weight	31,614 Da
NCBI Official Full Name	Caspase-7
NCBI Official Synonym Full Names	caspase 7, apoptosis-related cysteine peptidase
NCBI Official Symbol	CASP7
NCBI Official Synonym Symbols	MCH3; CMH-1; LICE2; CASP-7; ICE-LAP3
NCBI Protein Information	caspase-7; apoptotic protease MCH-3; ICE-like apoptotic protease 3; caspase 7, apoptosis-related cysteine protease
UniProt Protein Name	Caspase-7
UniProt Gene Name	CASP7
UniProt Synonym Gene Names	MCH3; CASP-7; ICE-LAP3
UniProt Entry Name	CASP7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.