

Rabbit anti-Mouse, Rat CASPASE-7 Polyclonal Antibody | anti-CASP7 antibody

RABBIT ANTI CASPASE-7 (C-TERMINAL)

CATALOG # AAA49985	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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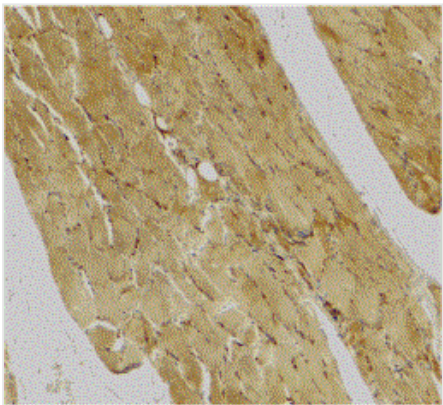
PRODUCT SYNONYMS

CASPASE-7; Polyclonal Antibody; RABBIT ANTI CASPASE-7 (C-TERMINAL); anti-CASP7 antibody

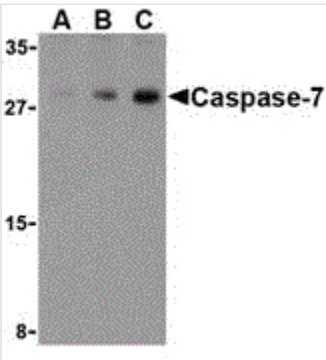
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	This item recognises an epitope within the C-terminal region (CT) of Caspase-7, a 35kDa cysteine protease, otherwise known as ICE-like Apoptotic Protease 3 (ICE-LAP3). Caspase-7, a member of the ICE/Ced-3 subfamily, is an executioner caspase which undergoes proteolytic cleavage of its precursor to form active p12 and p20 subunits. Evidence that activation of Caspase-7 occurs during cell death induced by the cytokine death receptors Fas/APO-1 and the receptor of tumour necrosis factor (TNFR-1), coupled with the fact that granzyme-B activated Caspase-7 cleaves the nuclear enzyme poly (ADP-ribose) polymerase (PARP), suggests an important role for Caspase-7 in both cytokine-mediated and Granzyme-B mediated apoptosis pathways.
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	303
Applicable Applications for anti-CASP7 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Perservative Stabilisers	0.02% Sodium Azide
Immunogen	A 16 amino acid peptide from human Caspase-7 carboxy-terminus Histology Positive Control Tissue
Antiserum Preparation	Antisera to human Caspase-7 (CT) were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data
Immunohistochemical staining of human skeletal muscle with Rabbit anti Human caspase-7 (AAA49985)



Application Data
Western blot analysis of human skeletal muscle probed with Rabbit anti Human caspase-7 (AAA49985) at 0.5(A), 1(B) and 2(C) ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-CASP7 antibody	MBS221847 recognises an epitope within the C-terminal region (CT) of Caspase-7, a 35kDa cysteine protease, otherwise known as ICE-like Apoptotic Protease 3 (ICE-LAP3). Caspase-7, a member of the ICE/Ced-3 subfamily, is an executioner caspase which undergoes proteolytic cleavage of its precursor to form active p12 and p20 subunits. Evidence that activation of Caspase-7 occurs during cell death induced by the cytokine death receptors Fas/APO-1 and the receptor of tumour necrosis factor (TNFR-1), coupled with the fact that granzyme-B activated Caspase-7 cleaves the nuclear enzyme poly (ADP-ribose) polymerase (PARP), suggests an important role for Caspase-7 in both cytokine-mediated and Granzyme-B mediated apoptosis pathways.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502581
NCBI GeneID	840
NCBI Accession #	NP_001218.1
NCBI GenBank Nucleotide #	NM_001227.4
UniProt Accession #	P55210; Q13364; Q53YD5; Q5SVL0; Q5SVL3; Q96BA0; B4DQU7; B5BU45; D3DRB8
Molecular Weight	31,614 Da
NCBI Official Full Name	caspase-7 isoform alpha
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; ICE-like apoptotic protease 3; apoptotic protease MCH-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.

