Rabbit Caspase-11 Polyclonal Antibody | anti-CASP7 antibody

Caspase-11 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327262	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

Caspase-11; Polyclonal Antibody; Caspase-11 Antibody; Apoptotic protease Mch-3; Apoptotic protease MCH3; CASP-7; CASP7; CASP7_HUMAN; Caspase 7; Caspase 7 apoptosis related cysteine peptidase; Caspase-7 subunit p11; Caspase7; CMH 1; CMH-1; CMH1; ICE LAP3; ICE-LAP3; ICE-like apoptotic protease 3; LICE2; MCH3; anti-CASP7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	caspase-11 antibody detects endogenous levels of total caspase-11
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	303
Applicable Applications for anti-CASP7 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human caspase-11
Subcellular Location	Cytoplasmic
Tissue Specificity	Highly expressed in lung, skeletal muscle, liver, kidney, spleen and heart, and moderately in testis. No expression in the brain.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

WB (Western Blot)
Western blot analysis of caspase-11 using COS7 whole lysates.

WB (Western Blot)
Western blot analysis of AAA327262 expression in various lysates 1 Rat brain 2 mouse brain 3 mouse lung 4 HeLa 5 HEPG2 6 293 7 Mouse spleen 8 Rat heart

IF (Immunofluorescence)
AAA327262 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

WB (Western Blot)
Western blot analysis of extracts from rat muscle, using caspase-11 Antibody. Lane 1 was treated with the blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CASP7 antibody	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. Subunit Structure: Heterotetramer that consists of two anti-parallel arranged heterodimers, each one formed by a 20 kDa (p20) and a 11 kDa (p11) subunit. Interacts with BIRC6/bruce. Post-translational Modifications: Cleavages by granzyme B or caspase-10 generate the two active subunits. Propeptide domains can also be cleaved efficiently by caspase-3. Active heterodimers between the small subunit of caspase-7 and the large subunit of caspase-3, and vice versa, also occur. Similarity: Belongs to the peptidase C14A family.

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	Observed: 43 kDa Predicted: 35 kDa
NCBI Official Full Name	caspase-7 isoform alpha
NCBI Official Synonym Full Names	caspase 7
NCBI Official Symbol	CASP7
NCBI Official Synonym Symbols	MCH3; CMH-1; LICE2; CASP-7; ICE-LAP3
NCBI Protein Information	caspase-7
UniProt Protein Name	Caspase-7
UniProt Gene Name	**CASP7**
UniProt Synonym Gene Names	MCH3; CASP-7; ICE-LAP3

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.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/caspase-11-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/327262