

Rabbit anti-Human Caspase-1 Polyclonal Antibody | anti-CASP1 antibody

Caspase-1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40191	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

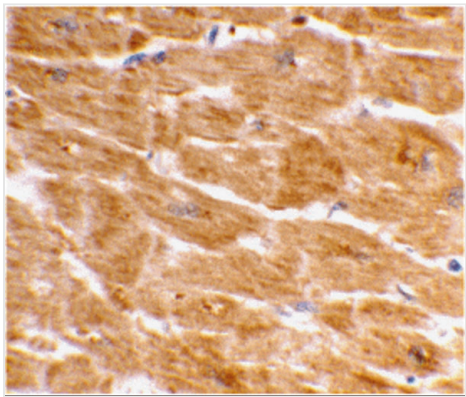
PRODUCT SYNONYMS

Caspase-1; Polyclonal Antibody; Caspase-1 Antibody; ICE; P45; IL1BC; IL1BCE; Interleukin-1 beta convertase; CASP-1; caspase 1; apoptosis-related cysteine peptidase (interleukin 1; beta; convertase); anti-CASP1 antibody

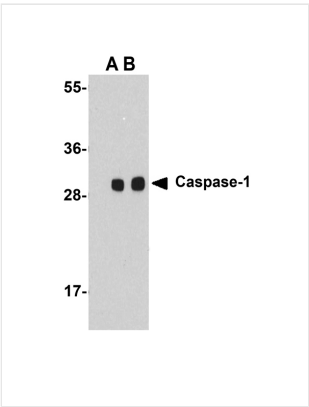
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Depending on cell lines or tissues used, other cleavage products may be observed.
Purity/Purification	Caspase-1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	404
Applicable Applications for anti-CASP1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Caspase-1 antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus of human Caspase-1.
Buffer	Caspase-1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical staining of human heart tissue using Caspase-1 antibody at 2 μg/mL.



WB (Western Blot)
Western blot analysis of Caspase-1 in human heart cell lysate with Caspase-1 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-CASP1 antibody	Caspase-1 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. Members of this subfamily include caspase-1, -4, -5, and -12 and can activate proinflammatory cytokines such as IL-1? and IL-18. Caspase-1 was initially identified as an IL-1?-converting enzyme; later experiments revealed it to be a mammalian homolog of the C. elegans cell death gene ced-3 whose overexpression can induce apoptosis in fibroblasts.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15431328
NCBI GeneID	834
NCBI Accession #	NP_150634
NCBI GenBank Nucleotide #	NM_033292.3
UniProt Accession #	P29466; Q53EY6; Q6DMQ1; Q6GSS3; Q6PI75; Q9UCN3; B5MDZ1
Molecular Weight	10,417 Da
NCBI Official Full Name	caspase-1 isoform alpha
NCBI Official Synonym Full Names	caspase 1, apoptosis-related cysteine peptidase
NCBI Official Symbol	CASP1
NCBI Official Synonym Symbols	ICE; P45; IL1BC
NCBI Protein Information	caspase-1; IL1B-convertase; CASP1 nirs variant 1; IL-1 beta-converting enzyme; interleukin 1, beta, convertase; interleukin 1-B converting enzyme; caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase)
UniProt Protein Name	Caspase-1
UniProt Gene Name	CASP1
UniProt Synonym Gene Names	IL1BC; IL1BCE; CASP-1; IL-1BC; ICE; IL-1 beta-converting enzyme
UniProt Entry Name	CASP1_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.

