

Rabbit CASP1 Polyclonal Antibody | anti-CASP1 antibody

CASP1 Polyclonal Antibody

CATALOG # AAA179590	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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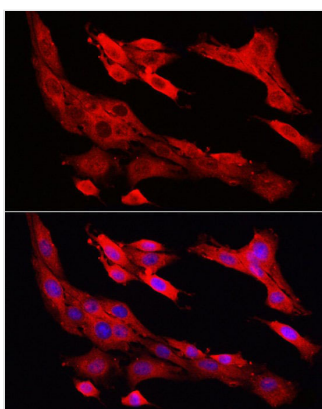
PRODUCT SYNONYMS

CASP1; Polyclonal Antibody; CASP1 Polyclonal Antibody; ICE; IL1BC; P45; caspase-1; anti-CASP1 antibody

PRODUCT SPECIFICATIONS

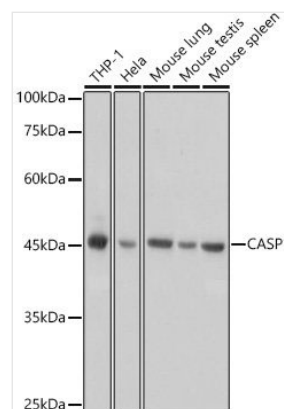
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.01% thiomersal, 50% glycerol, pH 7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-CASP1 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein of human CASP1
Research Area	Cancer, Cell Biology, Metabolism
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of PC-12 cells using [KO Validated] CASP1 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines using CASP1 Polyclonal Antibody at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-CASP1 antibody	This gene encodes a protein which is 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 2 subunits, large and small, that dimerize to form the active enzyme. This gene was identified by its ability to proteolytically cleave and activate the inactive precursor of interleukin-1, a cytokine involved in the processes such as inflammation, septic shock, and wound healing. This gene has been shown to induce cell apoptosis and may function in various developmental stages. Studies of a similar gene in mouse suggest a role in the pathogenesis of Huntington disease. Alternative splicing results in transcript variants encoding distinct isoforms.
Product Categories/Family for anti-CASP1 antibody	Antibodies ; Primary Antibodies ; Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502573
NCBI GeneID	834
NCBI Accession #	NP_001214.1
NCBI GenBank Nucleotide #	NM_001223.4
UniProt Accession #	P29466 ; Q53EY6 ; Q6DMQ1 ; Q6GSS3 ; Q6PI75 ; Q9UCN3 ; B5MDZ1
Molecular Weight	45,159 Da
NCBI Official Full Name	caspase-1 isoform beta
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
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/casp1-antibody-immunofluorescence-western-blot-elisa/179590>