

Rabbit anti-Mouse, Rat Caspase-1(P20) Polyclonal Antibody | anti-CASP1 antibody

Polyclonal Anti-CASP1 (p20) Antibody

CATALOG # AAA11584	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS Western Blot
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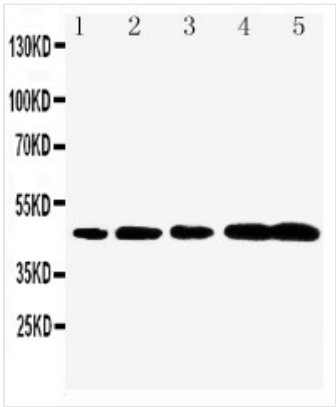
PRODUCT SYNONYMS

Caspase-1(P20); Polyclonal Antibody; Polyclonal Anti-CASP1 (p20) Antibody; anti-CASP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized; Contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃
Sequence Length	402
Applicable Applications for anti-CASP1 antibody	WB (Western Blot)
Application Notes	Western Blot: Concentration: 0.1-0.5ug/ml Tested Species: Ms, Rat Predicted Species: - Antigen Retrieval: - Tested Species: In-house tested species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of mouse CASP1 (137-157aa LEKAQKLWKENPSEIYPIMNT), different from the related rat sequence by three amino acids.
Reconstitution	0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	We provide a series of assays reacted with primary antibodies. Antibody can be supported by chemiluminescence kit in WB.
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)
Anti-Caspase-1(P20) antibody, AAA11584, Western blotting
Lane 1: Rat Brain Tissue Lysate
Lane 2: Rat Spleen Tissue Lysate
Lane 3: Mouse Brain Tissue Lysate
Lane 4: Mouse Spleen Tissue Lysate
Lane 5: Mouse Testis Tissue Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-CASP1 antibody	Caspase 1 is a cysteine protease that regulates inflammatory processes through its capacity to process and activate the interleukin-1-beta, IL18, and IL33 precursor proteins. It belongs to a family of cysteine proteases known as caspases that always cleave proteins following an aspartic acid residue. The Caspase1 gene consists of 10 exons spanning at least 10.6 kb. The Caspase 1 gene is mapped to 11q23, a site frequently involved in rearrangement in human cancers, including a number of leukemias and lymphomas, by Southern DNA blot analysis of rodent-human hybrids and by in situ hybridization to normal human metaphase chromosomes. Caspase 1 has been shown to induce cell necrosis or pyroptosis and may function in various developmental stages.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	266322
NCBI GeneID	12362
UniProt Accession #	P29452
NCBI Official Full Name	Caspase-1
NCBI Official Synonym Full Names	caspase 1
NCBI Official Symbol	Casp1
NCBI Official Synonym Symbols	ICE; IL1bc
NCBI Protein Information	caspase-1; p45; CASP-1; IL-1BC; IL-1B converting enzyme; IL-1 beta-converting enzyme; interleukin-1 beta convertase; interleukin 1 beta-converting enzyme; interleukin-1 beta-converting enzyme
UniProt Protein Name	Caspase-1
UniProt Gene Name	Casp1
UniProt Synonym Gene Names	IL1bc; CASP-1; IL-1BC; ICE; IL-1 beta-converting enzyme
UniProt Entry Name	CASP1_MOUSE

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.