

Mouse CASP1 / Caspase 1 Monoclonal Antibody | anti-CASP1 antibody

Mouse Monoclonal [clone 14F468] (IgG1) to Human CASP1 / Caspase 1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51773	Mouse	Gibbon, Gorilla, Human Predicted Reactivity: Rat, Bat (at least 90% immunogen sequence identity)	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

CASP1 / Caspase 1; Monoclonal Antibody; Mouse Monoclonal [clone 14F468] (IgG1) to Human CASP1 / Caspase 1; Anti-CASP1 / Caspase 1 Antibody (aa371-390; clone 14F468) IHC-plus; CASP1; Caspase-1; CASP-1; CASP1 nirs variant 1; Caspase 1; ICE; ICE-like protease; IL-1 beta-converting enzyme; IL-1BC; IL1BC; IL1BCE; p45; IL1B-convertase; Interleukin-1 beta convertase; Human CASP1; anti-CASP1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Gibbon, Gorilla, Human Predicted Reactivity: Rat, Bat (at least 90% immunogen sequence identity)
Clonality	Monoclonal
Isotype	IgG1
Clone Number	14F468
Specificity	A synthetic peptide corresponding to amino acids 371-390 RQVRFSEQPDGRAQMPTTE of human caspase-1 was used as immunogen. It will cross-react with mouse and rat Caspase-1, based on NCBI BLAST.
Purity/Purification	Protein G Purified
Form/Format	PBS, 0.05% BSA, 0.05% sodium azide.
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	383
Applicable Applications for anti-CASP1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide from human CASP1 / Caspase 1.
Immunogen Type	Synthetic peptide
Immunogen	CASP1 / Caspase 1 antibody was raised against synthetic peptide from human CASP1 / Caspase 1.
Antigen Modification	aa371-390
Preparation and Storage	+4 degree C or -20 degree C, Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-Caspase 1 antibody IHC of human small intestine. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 20 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-CASP1 antibody	Caspase 1, also called interleukin-1 beta converting enzyme, is a cysteine C14 endopeptidase able to process pro-interleukin-1 beta into its active form. Caspase 1 is identical to Caenorhabditis elegans cell death gene ced-3 and may be involved in apoptotic signalling. Inhibition of caspase-1 in mice models extended survival and delayed appearance of neuronal inclusions and symptoms of Huntingdon disease.
Product Categories/Family for anti-CASP1 antibody	Family: Protease ; Subfamily: Cysteine C14

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	10,417 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; 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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/casp1-caspase-1-antibody-clone-14f468-western-blot-immunohistochemistry-elisa/51773>