

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

CASP1 Antibody

CATALOG # AAA302234	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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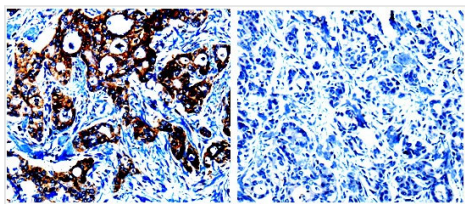
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

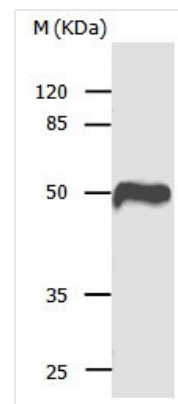
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total CASP1 protein.
Form/Format	Supplied at 0.8mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.3, 0.05% sodium azide and 50% glycerol.
Sequence Length	1090
Applicable Applications for anti-CASP1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	CASP1
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded Human pancreatic cancer tissue using 31012 (CASP1 Antibody) at dilution 1/25, on the right is treated with the fusion protein.



Application Data

Gel: 8%SDS-PAGE Lysate: 40 ug Hela cell lysate Primary antibody: 1/1000 dilution
Secondary antibody: Donkey anti Rabbit IgG - H&L (HRP) at 1/3000 dilution Exposure time: 30 seconds

ADDITIONAL INFORMATION

Related Product Information for anti-CASP1 antibody	This gene encodes a protein which is a 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	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	38566133
NCBI GeneID	834
Molecular Weight	10,417 Da
NCBI Official Full Name	Homo sapiens caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase), mRNA
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
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://www.aaabiotech.com/polyclonal/casp1-antibody-immunohistochemistry-western-blot-elisa/302234>