

Rabbit CASPASE-5 Polyclonal Antibody | anti-CASP5 antibody

RABBIT ANTI HUMAN CASPASE-5

CATALOG # AAA49984	HOST Rabbit	APPLICATIONS Western Blot
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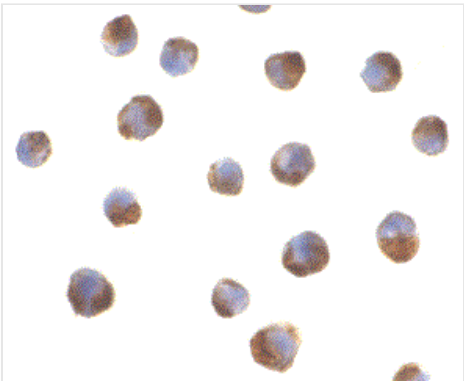
PRODUCT SYNONYMS

CASPASE-5; Polyclonal Antibody; RABBIT ANTI HUMAN CASPASE-5; anti-CASP5 antibody

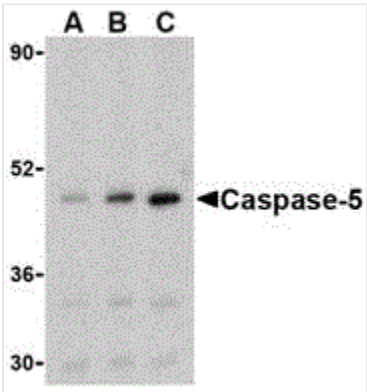
PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	376
Applicable Applications for anti-CASP5 antibody	WB (Western Blot)
Perservative Stabilisers	0.02% Sodium Azide Preparation
Immunogen	A 14 amino acid peptide from the centre of human Caspase-5. Buffer Solution
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data
Immunocytochemical staining of P815 mouse mastocytoma cells with Rabbit anti Human caspase-5 (AAA49984)



Application Data
Western blot analysis of whole cell lysate from Ramos, Burkitt's lymphoma derived B-lymphoblastoid cells probed with Rabbit anti Human caspase-5 (AAA49984) at 0.5(A), 1(B) and 2(C) ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-CASP5 antibody	Rabbit anti Human Caspase-5 antibody recognizes an epitope located within the internal region of human Caspase-5, a 47kDa cysteine protease, otherwise known as ICH-3. Caspase-5 has been shown to be expressed at higher levels in the colon, lung, spleen, small intestine and by peripheral blood lymphocytes. Caspase-5 is a member of a growing number of inflammatory caspases belonging to the Caspase-1 (ICE-type) subfamily, which require proteolytic processing of their inactive precursor into smaller active subunits. Unlike Caspase-1, Caspase-5 is not directly responsible for the activation of IL-1Beta from the pro-IL-1Beta precursor, but the presence of Caspase-5 does appear to enhance the processing of IL-1Beta. The in vivo expression of Caspase-5 is elevated by Lipopolysaccharide (LPS) and gene expression is also increased by Interferon gamma (IFNg). In vitro studies have shown cleavage of Caspase-5 by the serine protease Granzyme B, which plays a major role in Cytotoxic T lymphocyte (CTL)-induced apoptosis (Wang et al. 1996).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	209870071
NCBI GeneID	838
NCBI Accession #	NP_001129581.1
NCBI GenBank Nucleotide #	NM_001136109.1
UniProt Accession #	P51878; Q0QVY7; Q0QVY8; Q0QVZ0; Q0QVZ1; Q0QVZ2; Q14DD6; Q1HBJ3; Q6DJV7; B4DKP5
Molecular Weight	41,851 Da
NCBI Official Full Name	caspase-5 isoform b
NCBI Official Synonym Full Names	caspase 5, apoptosis-related cysteine peptidase
NCBI Official Symbol	CASP5
NCBI Official Synonym Symbols	ICH-3; ICEREL-III; ICE(rel)III
NCBI Protein Information	caspase-5; CASP-5; ICE(rel)-III; TY protease; caspase 5, apoptosis-related cysteine protease; protease ICH-3; protease TY
UniProt Protein Name	Caspase-5
UniProt Gene Name	CASP5
UniProt Synonym Gene Names	ICH3; CASP-5
UniProt Entry Name	CASP5_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/polyclonal/caspase-5-antibody-western-blot-elisa/49984>