

Rabbit anti-Human Caspase-5 Polyclonal Antibody | anti-CASP5 antibody

Caspase-5 Antibody

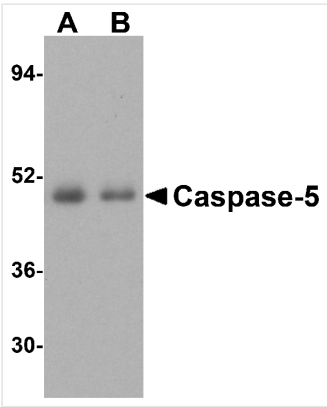
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40137	Rabbit	Human	Western Blot, ELISA

PRODUCT SYNONYMS

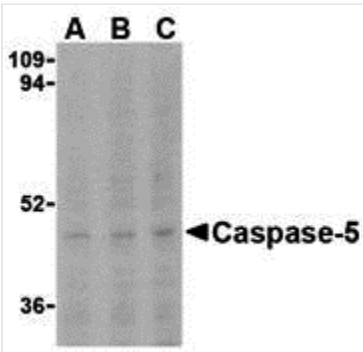
Caspase-5; Polyclonal Antibody; Caspase-5 Antibody; ICH-3; ICEREL-III; ICE(rel)III; ICH3; Protease ICH-3; CASP-5; caspase 5; apoptosis-related cysteine peptidase; anti-CASP5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Depending on cell lines or tissues used, other cleavage products may be observed.
Purity/Purification	Caspase-5 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	418
Applicable Applications for anti-CASP5 antibody	WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Caspase-5 antibody was raised against a 16 amino acid synthetic peptide from the amino-terminus of human Caspase-5.
Buffer	Caspase-5 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Caspase-5 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



WB (Western Blot)
Western blot analysis of Caspase-5 in (A) human spleen tissue and (B) human thymus lysate with Caspase-5 antibody at 1 µg/mL.



WB (Western Blot)
Western blot analysis of Caspase-5 in Ramos cells with Caspase-5 antibody at (A) 0.5, (B) 1, and (C) 2 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-CASP5 antibody	Caspase-5 Antibody: Caspases are a family of cysteine proteases that can be divided into the apoptotic and inflammatory caspase subfamilies. Unlike the apoptotic caspases, members of the inflammatory subfamily are generally not involved in cell death but are associated with the immune response to microbial pathogens. Members of this subfamily include caspase-1, -4, -5, and -12. Activation of these caspases results in the cleavage and activation of proinflammatory cytokines such as IL-1 β and IL-18. Caspase-5 can interact with caspase-1; both are constituents of the NALP1 inflammasome, a complex that can trigger the cleavage of pro-IL-1 β . Expression of caspase-5 can be regulated by lipopolysaccharide (LPS) and IFN- γ .
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NCBI AND UNIPROT INFORMATION

NCBI GI #	212276423
NCBI GeneID	838
UniProt Accession #	P51878; Q0QVY7; Q0QVY8; Q0QVZ0; Q0QVZ1; Q0QVZ2; Q14DD6; Q1HBJ3; Q6DJV7; B4DKP5
Molecular Weight	41,851 Da
NCBI Official Full Name	Caspase-5
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; TY protease; protease TY; ICE(rel)-III; protease ICH-3; caspase 5, apoptosis-related cysteine protease
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.