

Rabbit CASP5 Polyclonal Antibody | anti-CASP5 antibody

CASP5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327274	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

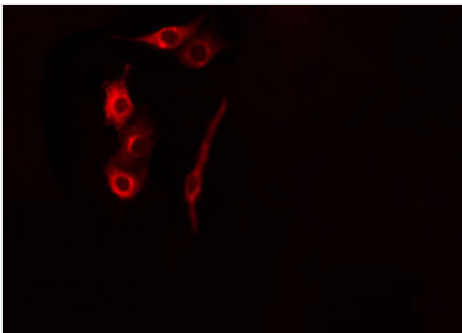
PRODUCT SYNONYMS

CASP5; Polyclonal Antibody; CASP5 Antibody; Apoptosis related cysteine protease; CASP-5; CASP5_HUMAN; Caspase-5 subunit p10; ICE(rel)-III; ICERELIII; ICH 3; ICH 3 protease; Protease ICH-3; Protease TY; TY; TY protease; anti-CASP5 antibody

PRODUCT SPECIFICATIONS

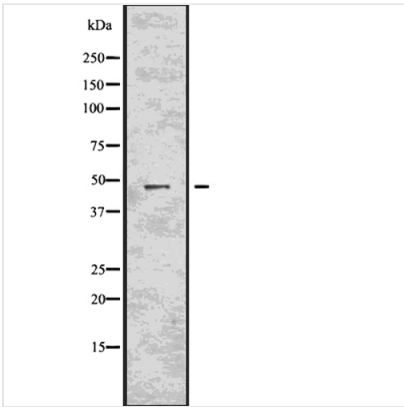
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CASP5 antibody detects endogenous levels of total CASP5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	376
Applicable Applications for anti-CASP5 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CASP5
Tissue Specificity	Expressed in barely detectable amounts in most tissues except brain, highest levels being found in lung, liver and skeletal muscle.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA327274 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of CASP5 using HuvEc whole lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-CASP5 antibody	Function: Mediator of programmed cell death (apoptosis). During non-canonical inflammasome activation, cuts CGAS and may play a role in the regulation of antiviral innate immune activation (PubMed:28314590). Subunit Structure: Heterotetramer that consists of two anti-parallel arranged heterodimers, each one formed by a 20 kDa (p20) and a 10 kDa (p10) subunits. Interacts with MEFV. Post-translational Modifications: The two subunits are derived from the precursor sequence by an autocatalytic mechanism. Similarity: Belongs to the peptidase C14A family.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	209870071
NCBI GeneID	838
NCBI Accession #	NP_001129581.1
NCBI GenBank Nucleotide #	NM_001136109.2
UniProt Accession #	P51878; Q0QVY7; Q0QVY8; Q0QVZ0; Q0QVZ1; Q0QVZ2; Q14DD6; Q1HBJ3; Q6DJV7; B4DKP5
Molecular Weight	Observed: 47 kDa Predicted: 50 kDa
NCBI Official Full Name	caspase-5 isoform b
NCBI Official Synonym Full Names	caspase 5
NCBI Official Symbol	CASP5
NCBI Official Synonym Symbols	ICH-3; ICEREL-III; ICE(rel)III
NCBI Protein Information	caspase-5
UniProt Protein Name	Caspase-5
UniProt Gene Name	CASP5
UniProt Synonym Gene Names	ICH3; CASP-5

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.