

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

CASP5 Antibody (Center)

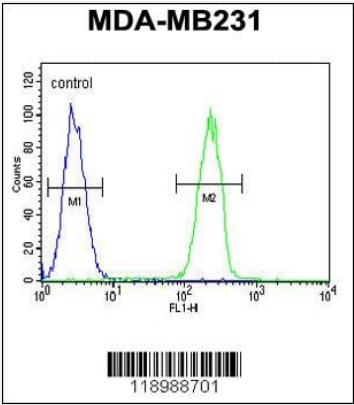
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289588	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

CASP5; Polyclonal Antibody; CASP5 Antibody (Center); Caspase-5; CASP-5; ICE(rel)-III; Protease ICH-3; Protease TY; Caspase-5 subunit p20; Caspase-5 subunit p10; ICH3; anti-CASP5 antibody

PRODUCT SPECIFICATIONS

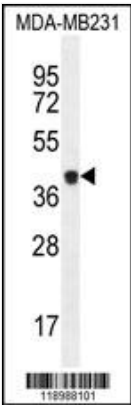
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CASP5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 162-191 amino acids from the Central region of human CASP5.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	162-191
Sequence Length	364
Applicable Applications for anti-CASP5 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
CASP5 Antibody (Center) flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
CASP5 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CASP5 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
CASP5 Antibody (Center) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the CASP5 antibody detected the CASP5 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CASP5 antibody	This gene encodes 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 two subunits, large and small, that dimerize to form the active enzyme. Overexpression of the active form of this enzyme induces apoptosis in fibroblasts. Max, a central component of the Myc/Max/Mad transcription regulation network important for cell growth, differentiation, and apoptosis, is cleaved by this protein; this process requires Fas-mediated dephosphorylation of Max. The expression of this gene is regulated by interferon-gamma and lipopolysaccharide. Alternatively spliced transcript variants have been identified for this gene.
Product Categories/Family for anti-CASP5 antibody	Cell Biology
References	Ulybina, Y.M., et al. Exp. Gerontol. 45(9):726-729(2010) Notaridou, M., et al. Int. J. Cancer (2010) In press : Kim, M.S., et al. APMIS 118(4):308-312(2010) Liang, X.S., et al. Br. J. Haematol. 146(4):418-423(2009) Eckhart, L., et al. Biochem. Biophys. Res. Commun. 348(2):682-688(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	209870071
NCBI GeneID	838
NCBI Accession #	NP_001129581.1; NP_001129582.1; NP_001129584.1; NP_004338.3
NCBI GenBank Nucleotide #	NM_001136109.1
UniProt Accession #	P51878; Q0QVY7; Q0QVY8; Q0QVZ0; Q0QVZ1; Q0QVZ2; Q14DD6; Q1HBJ3; Q6DJV7; B4DKP5
Molecular Weight	49736
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
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/casp5-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/289588>