

Rabbit anti-Human CASP12 Polyclonal Antibody | anti-CASP12 antibody

CASP12 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288591	Rabbit	Human	Immunofluorescence, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

CASP12; Polyclonal Antibody; CASP12 Antibody (Center); Inactive caspase-12; CASP-12; anti-CASP12 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CASP12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 165-193 amino acids from the Central region of human CASP12.
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: 0.39 (varies by lot)
Sequence Positions	165-193
Sequence Length	341
Applicable Applications for anti-CASP12 antibody	IF (Immunofluorescence), 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.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescent analysis of CASP12 Antibody (Center) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



FCM/FACS (Flow Cytometry)

CASP12 Antibody (Center) flow cytometric analysis of HL-60 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)

CASP12 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CASP12 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

CASP12 Antibody (Center) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the CASP12 antibody detected the CASP12 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CASP12 antibody	Caspases are cysteine proteases that cleave C-terminal aspartic acid residues on their substrate molecules. This gene is most highly related to members of the ICE subfamily of caspases that process inflammatory cytokines. In rodents, the homolog of this gene mediates apoptosis in response to endoplasmic reticulum stress. However, in humans this gene contains a polymorphism for the presence or absence of a premature stop codon. The majority of human individuals have the premature stop codon and produce a truncated non-functional protein. The read-through codon occurs primarily in individuals of African descent and carriers have endotoxin hypo-responsiveness and an increased susceptibility to severe sepsis. Several alternatively spliced transcript variants have been noted for this gene.
Product Categories/Family for anti-CASP12 antibody	Cancer ; Cell Biology ; Metabolism ; Neuroscience ; Amyotrophic Lateral Sclerosis (ALS)
References	Lee, H.J., et al. Arch. Biochem. Biophys. 502(1):68-73(2010) Plantinga, T.S., et al. J. Acquir. Immune Defic. Syndr. 55(1):87-94(2010) McCall, M.B., et al. Eur. Cytokine Netw. 21(2):77-83(2010) Kachapati, K., et al. Hum. Mutat. 27 (9), 975 (2006) : Xue, Y., et al. Am. J. Hum. Genet. 78(4):659-670(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	300360580
NCBI GeneID	100506742
NCBI Accession #	NP_001177945.1
NCBI GenBank Nucleotide #	NM_001191016.1
UniProt Accession #	Q6UXS9 ; D6RBN7
Molecular Weight	38865
NCBI Official Full Name	inactive caspase-12
NCBI Official Synonym Full Names	caspase 12 (gene/pseudogene)
NCBI Official Symbol	CASP12
NCBI Official Synonym Symbols	CASP-12; CASP12P1
NCBI Protein Information	inactive caspase-12
UniProt Protein Name	Inactive caspase-12
UniProt Gene Name	CASP12
UniProt Synonym Gene Names	CASP-12
UniProt Entry Name	CASPC_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/casp12-antibody-immunofluorescence-flow-cytometry-immunohistochemistry-western-blot-elisa/288591>