Rabbit anti-Human Caspase-4 Polyclonal Antibody | anti-CASP4 antibody

Caspase-4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA304123	**Rabbit**	**Human**	**Immunohistochemistry, Western Blot, ELISA**

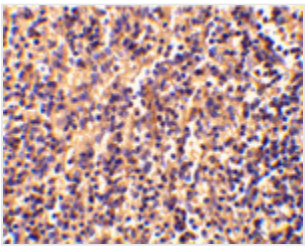
PRODUCT SYNONYMS

Caspase-4; Polyclonal Antibody; Caspase-4 Antibody; ICH-2; ICE relII; Mih1; anti-CASP4 antibody

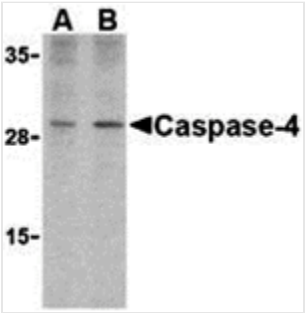
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Depending on cell lines or tissues used, other cleavage products may be observed.
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	377
Applicable Applications for anti-CASP4 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 15 amino acid peptide from near the center of human Caspase-4.
Target Name	Caspase-4
Preparation and Storage	Can be stored at -20 degree C, stable for 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.

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemical staining of human spleen tissue using caspase-4 antibody at 2 ug/mL.



WB (Western Blot)
Western blot analysis of caspase-4 in human spleen cells with caspase-4 antibody at (A) 1 and (B) 2 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-CASP4 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-1b and IL-18. Caspase-4 was initially identified as a homologous protein to Caspase-1 and the C. elegans Ced-3 which could induce apoptosis in transfected cells. More recent studies have shown that it can be activated by ER stress and has been suggested to be involved in multiple neuronal pathologies such as Alzheimer's disease.
Product Categories/Family for anti-CASP4 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	886050
NCBI GeneID	837
Molecular Weight	36,705 Da
NCBI Official Full Name	Ich-2
NCBI Official Synonym Full Names	caspase 4, apoptosis-related cysteine peptidase
NCBI Official Symbol	CASP4
NCBI Official Synonym Symbols	TX; ICH-2; Mih1/TX; ICEREL-II; ICE(rel)II
NCBI Protein Information	caspase-4
UniProt Protein Name	Caspase-4
UniProt Gene Name	**CASP4**
UniProt Synonym Gene Names	ICH2; CASP-4
UniProt Entry Name	CASP4_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://www.aaabiotech.com/polyclonal/caspase-4-antibody-immunohistochemistry-western-blot-elisa/304123