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

Caspase-4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39391	**Rabbit**	**Human, Mouse**	**Immunofluorescence, Immunohistochemistry, Western Blot, ELISA**

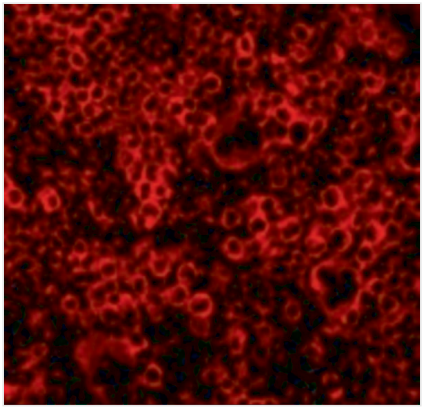
PRODUCT SYNONYMS

Caspase-4; Polyclonal Antibody; Caspase-4 Antibody; TX; ICH-2; Mih1/TX; ICEREL-II; ICE(rel)II; ICH2; Protease ICH-2; CASP-4; caspase 4; apoptosis-related cysteine peptidase; anti-CASP4 antibody

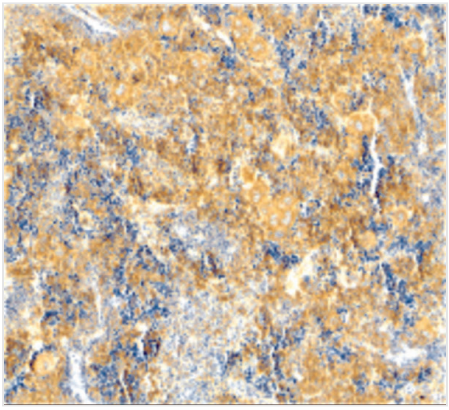
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Depending on cell lines or tissues used, other cleavage products may be observed.
Purity/Purification	Caspase-4 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	377
Applicable Applications for anti-CASP4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Caspase-4 antibody was raised against a 16 amino acid synthetic peptide from the amino-terminus of human Caspase-4.
Buffer	Caspase-4 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Caspase-4 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.

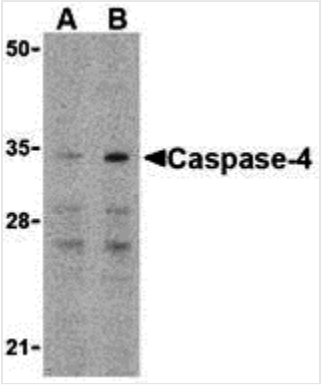
IMAGES



IF (Immunofluorescence)
Immunofluorescence of Caspase-4 in Mouse Spleen 100 cells with Caspase-4 antibody at μg/mL.



IHC (Immunohiostchemistry)
Immunohistochemical staining of mouse spleen using caspase-4 antibody at 2 μg/mL.



WB (Western Blot)
Western blot analysis of caspase-4 in Ramos cells with caspase-4 antibody at (A) 0.5 and (B) 1 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-CASP4 antibody	Caspase-4 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? 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	886050
NCBI GeneID	837
UniProt Accession #	P49662; A2NHL8; A2NHM0
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; CASP-4; ICE(rel)-II; protease TX; protease ICH-2; apoptotic cysteine protease Mih1/TX; caspase 4, apoptosis-related cysteine protease
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/polyclonal/caspase-4-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39391