Rabbit Caspase-8 Polyclonal Antibody | anti-CASP8 antibody

Caspase-8 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA10948	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Western Blot, Immunocytochemistry, Immunofluorescence**

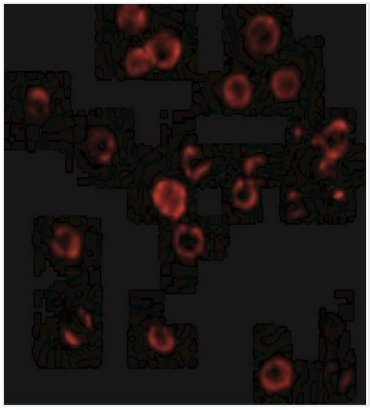
PRODUCT SYNONYMS

Caspase-8; Polyclonal Antibody; Caspase-8 Antibody; CAP4; MACH; MCH5; FLICE; ALPS2B; Casp-8; Apoptotic cysteine protease; CASP-8; caspase 8; apoptosis-related cysteine peptidase; anti-CASP8 antibody

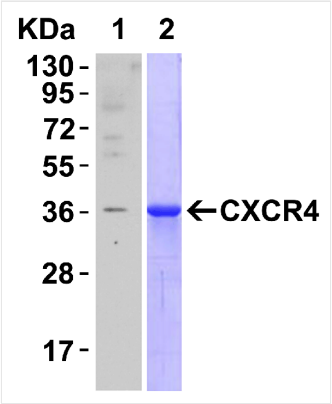
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Depending on cell lines or tissues used, either full-length or other cleavage products may be observed.
Purity/Purification	Caspase-8 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	496
Applicable Applications for anti-CASP8 antibody	ELISA, WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence)
Application Notes	Caspase-8 antibody can be used for the detection of caspase-8 by Western blot at 0.5 to 2 mug/mL. Antibody can also be used for immunocytochemistry starting at 2 mug/mL. For immunofluorescence start at 20 mug/mL.
Conjugate	Unconjugated
Immunogen	Caspase-8 antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus of human Caspase-8 isoform A.
Buffer	Caspase-8 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures.

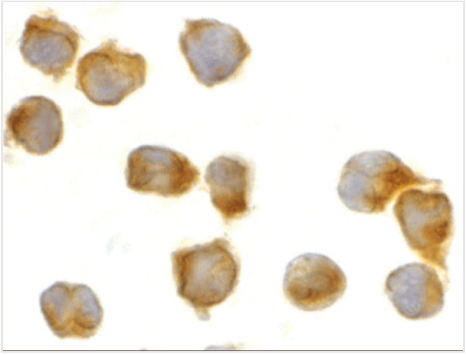
IMAGES



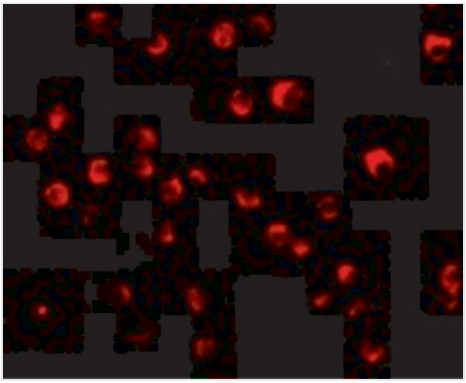
IF (Immunofluorescence)
Immunofluorescence of Caspase-8 in human spleen tissue with Caspase-8 antibody at 20 μg/ml.Red: Caspase-8 Antibody (3473)Blue: DAPI staining



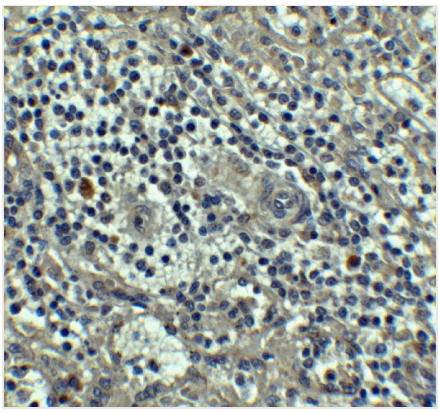
WB (Western Blot)
Western blot analysis of Caspase-8 in (A) human spleen, (B) mouse spleen, and (C) rat spleen tissue lysate with Caspase-8 antibody at 0.5 μg/ml.



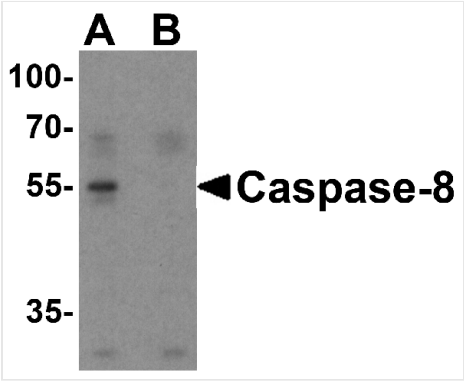
ICC (Immunocytochemistry)
Immunocytochemistry of caspase-8 in Jurkat cells with caspase-8 antibody at 2 μg/mL.



IF (Immunofluorescence)
Immunofluorescence of Caspase-8 in Jurkat cells with Caspase-8 antibody at 20 μg/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of Caspase-8 in human spleen tissue with Caspase-8 antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of caspase-8 in Jurkat cell lysate with caspase-8 antibody at 1 μg/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CASP8 antibody	Caspase-8 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. The apoptotic subfamily can be further divided into initiator caspases, which are activated in response to death signals, and executioner caspases, which are activated by the initiator caspases and are responsible for cleavage of cellular substrates that ultimately lead to cell death. Caspase-8 is an initiator caspase that was identified as a member of the Fas/APO-1 death-inducing signaling complex. The adaptor molecule FADD couples procaspase-8 to the Fas receptor death domain; subsequent oligomerization promotes procaspase-8 autoactivation. FLIP, a catalytically inactive caspase-8-like molecule inhibits these interactions and thus can inhibit apoptosis.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15718704
NCBI GeneID	841
NCBI Accession #	NP_001219
NCBI GenBank Nucleotide #	NM_001228.4
UniProt Accession #	Q14790; O14676; Q14791; Q14792; Q14793; Q14794; Q14795; Q14796; Q15780; Q15806; Q53TT5; Q8TDI1
Molecular Weight	55 kDa
NCBI Official Full Name	caspase-8 isoform A
NCBI Official Synonym Full Names	caspase 8, apoptosis-related cysteine peptidase
NCBI Official Symbol	CASP8
NCBI Official Synonym Symbols	CAP4; MACH; MCH5; FLICE; ALPS2B; Casp-8
NCBI Protein Information	caspase-8; FADD-like ICE; MACH-alpha-1/2/3 protein; apoptotic protease Mch-5; MACH-beta-1/2/3/4 protein; apoptotic cysteine protease; ICE-like apoptotic protease 5; MORT1-associated ced-3 homolog; FADD-homologous ICE/CED-3-like protease; caspase 8, apoptosis-related cysteine protease
UniProt Protein Name	Caspase-8
UniProt Gene Name	**CASP8**
UniProt Synonym Gene Names	MCH5; CASP-8; FLICE; MACH
UniProt Entry Name	CASP8_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/caspase-8-antibody-western-blot-immunocytochemistry-immunofluorescence-elisa/10948