

Mouse anti-Human Caspase-8 Monoclonal Antibody | anti-CASP8 antibody

Monoclonal Antibody to Caspase-8 (Clone: ABM14C1)

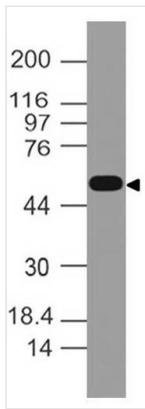
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14877	Mouse	Human	Immunohistochemistry, Western Blot, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

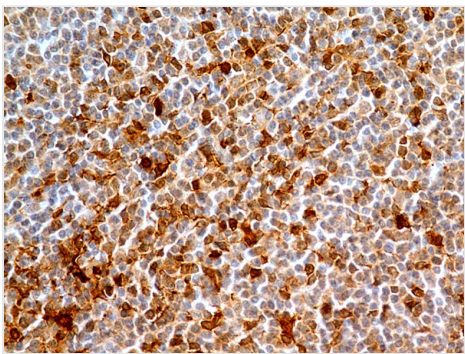
Caspase-8; Monoclonal Antibody; Monoclonal Antibody to Caspase-8 (Clone: ABM14C1); Apoptotic cysteine protease; Apoptotic protease Mch-5; FADD-homologous ICE/ced-3-like protease; CE-like apoptotic protease 5; anti-CASP8 antibody

PRODUCT SPECIFICATIONS

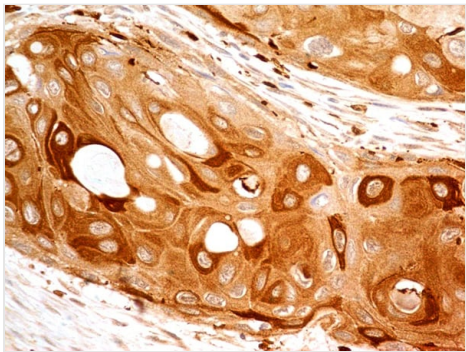
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	ABM14C1
Purity/Purification	Purified Protein G Chromatography
Form/Format	100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Sequence Length	464
Applicable Applications for anti-CASP8 antibody	IHC (Immunohistochemistry), WB (Western Blot), FCM/FACS (Flow Cytometry)
Application Notes	WB: 4-6 ug/ml FC/FACS: 0.5-1 ug/10 ⁶ IHC: 5-10 ug/ml
Antigen	Caspase-8
Immunogen Information	A partial length recombinant protein (a.a 179-385) of Caspase-8 was used as the immunogen for this antibody.
Conjugation	Unconjugated
Preparation and Storage	Store the antibody at 4 degree C, stable for 6 months. For long-term storage, store at -20 degree C. Avoid repeat freezing and thawing



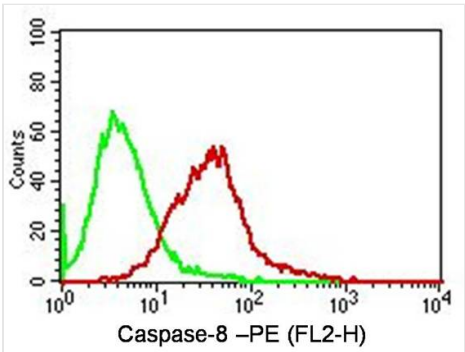
WB (Western Blot)
Figure-6: Western blot analysis of Caspase-8. Anti-Caspase-8 antibody (Clone: ABM14C1) was used at 4 ug/ml on EL-4 lysate.



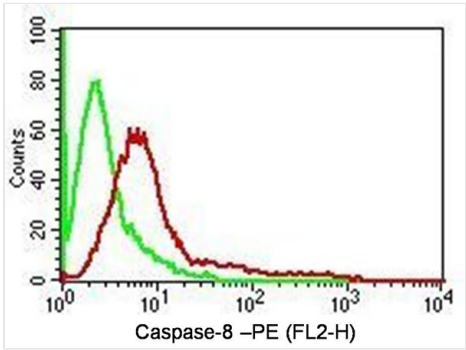
IHC (Immunohistochemistry)
Fig-5: Immunohistochemical analysis of Caspase-8 in human Tonsil using anti-Caspase-8 antibody (Clone: ABM14C1) at 5 ug/ml.



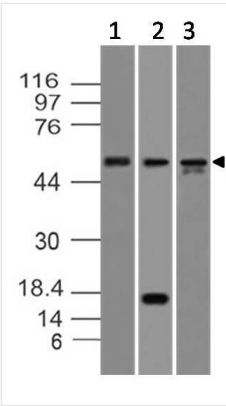
IHC (Immunohistochemistry)
Fig-4: Immunohistochemical analysis of Caspase-8 in human Esophagus using anti-Caspase-8 antibody (Clone: ABM14C1) at 5 ug/ml.



FCM (Flow Cytometry)
Fig-3: Intracellular Flow analysis of Caspase-8 antibody in Jurkat cells using 0.5 ug/ 10^6 cells of anti-Caspase-8 antibody (ABM14C1). Green represents isotype control; red represents anti-Caspase-8 antibody. Goat anti-mouse PE conjugate was used as secondary antibody. (Cells were fixed with 4% paraformaldehyde for 10 min and washed with PBS by centrifuging at 1100 for 5 min followed by permeabilization for 20 min and washed again as mentioned above. Then cell were incubated with primary antibody for 45 min. and after washing the cells twice in PBS, incubated with conjugated secondary antibody for 30 min. Data acquisition was done after washing twice with PBS as mentioned above).



FCM (Flow Cytometry)
Fig-2: Intracellular Flow analysis of Caspase-8 antibody in Hela cells using 0.5 ug/ 10^6 cells of anti-Caspase-8 antibody (ABM14C1). Green represents isotype control; red represents anti-Caspase-8 antibody. Goat anti-mouse PE conjugate was used as secondary antibody. (Cells were fixed with 4% paraformaldehyde for 10 min and washed with PBS by centrifuging at 1100 for 5 min followed by permeabilization for 20 min and washed again as mentioned above. Then cell were incubated with primary antibody for 45 min. and after washing the cells twice in PBS, incubated with conjugated secondary antibody for 30 min. Data acquisition was done after washing twice with PBS as mentioned above).



WB (Western Blot)
Fig-1: Western blot analysis of Caspase-8. Anti-Caspase-8 antibody (Clone: ABM14C1) was used at 2 ug/ml on Molt-4, Kato III and HepG2 lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-CASP8 antibody	Apoptosis occurs during normal cellular development and involves dramatic changes in cellular structure. Disruption of apoptosis may contribute to cancer as well as other autoimmune diseases. Caspase family of cysteine proteases has been shown to play a key role in apoptosis. Caspase-8 is a 55 kDa cytosolic protein that is synthesized as an inactive pro-enzyme. Activation of caspase-8 involves a two-step proteolysis: the cleavage of caspase-8 to generate a 43 and a 12 kDa fragment which is further processed to 10 kDa. The p43 is then cleaved to yield p26 and the release of the active site containing p18. The Active/Cleaved Caspase-8 polyclonal antisera recognizes the large and small subunits of active/cleaved caspase-8. Whereas the antisera has a strong preference for active/cleaved caspase-8, in some cell or tissue systems or techniques the antisera may also recognize the proform of caspase-8 as well as intermediate caspase-8 cleavage fragments.
Product Categories/Family for anti-CASP8 antibody	Apoptosis

NCBI AND UNIPROT INFORMATION

NCBI GI #	122056474
NCBI GeneID	841
NCBI Accession #	NP_001073593.1
NCBI GenBank Nucleotide #	NM_001080124.1
UniProt Accession #	Q14790; O14676; Q14791; Q14792; Q14793; Q14794; Q14795; Q14796; Q15780; Q15806; Q53TT5; Q8TDI1
Molecular Weight	61,836 Da
NCBI Official Full Name	caspase-8 isoform C
NCBI Official Synonym Full Names	caspase 8
NCBI Official Symbol	CASP8
NCBI Official Synonym Symbols	CAP4; MACH; MCH5; FLICE; ALPS2B; Casp-8
NCBI Protein Information	caspase-8
UniProt Protein Name	Caspase-8
UniProt Gene Name	CASP8
UniProt Synonym Gene Names	MCH5; CASP-8; FLICE; MACH

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/monoclonal/caspase-8-antibody-clone-abm14c1-immunohistochemistry-western-blot-flow-cytometry-elisa/14877>