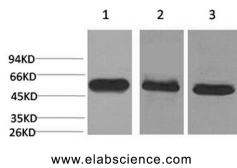


CASP8 Monoclonal Antibody

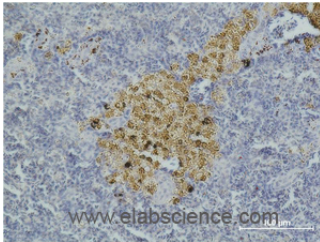
Catalog No.	E-AB-22107	Reactivity	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Host	Mouse
Applications	WB,IHC-p,IF	Isotype	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

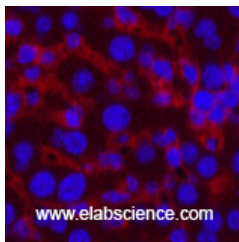
Images



Western Blot analysis of 1) HeLa, 2) Mouse brain, 3) Rat brain with CASP8 Monoclonal Antibody



Immunohistochemistry of paraffin-embedded Mouse spleen tissue with CASP8 Monoclonal Antibody



Immunofluorescence analysis of Mouse liver tissue using CASP8 Monoclonal Antibody at dilution of 1:200.

Immunogen Information

Immunogen	Recombinant Protein
Swissprot	Q14790
Synonyms	CASP8,MCH5,Caspase-8,CASP-8,Apoptotic cysteine protease,Apoptotic protease Mch-5,CAP4,FADD-homologous ICE/ced-3-like protease,FADD-like ICE,FLICE,ICE-like apoptotic protease 5,MORT1-associated ced-3 homolog,MACH

Product Information

Observed MW	43,57kDa
Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.
Purify	Protein A purification
Clone No.	Clone:2E3
Dilution	WB 1:500-1:2000, IHC 1:100-1:300, IF 1:100-1:300

Background

Most upstream protease of the activation cascade of caspases responsible for the TNFRSF6/FAS mediated and TNFRSF1A induced cell death. Binding to the adapter molecule FADD recruits it to either receptor. The resulting aggregate called death-inducing signaling complex (DISC) performs CASP8 proteolytic activation. The active dimeric enzyme is then liberated from the DISC and free to activate downstream apoptotic proteases. Proteolytic fragments of the N-terminal propeptide (termed CAP3, CAP5 and CAP6) are likely retained in the DISC. Cleaves and activates CASP3, CASP4, CASP6, CASP7, CASP9 and CASP10. May participate in the GZMB apoptotic pathways. Cleaves ADPRT. Hydrolyzes the small-molecule substrate, Ac-Asp-Glu-Val-Asp-AMC. Likely target for the cowpox virus CRMA death inhibitory protein. Isoform 5, isoform 6, isoform 7 and isoform 8 lack the catalytic site and may interfere with the pro-apoptotic activity of the complex.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.