CASP8 Monoclonal Antibody

Catalog Number:E-AB-22107 4 Publications

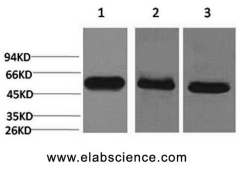
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

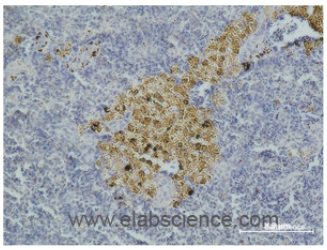
Reactivity	Human,Mouse,Rat
Immunogen	Recombinant Protein
Host	Mouse
Isotype	IgG
Clone	Clone:2E3
Purification	Protein A purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:100-1:300
IF	1:100-1:300

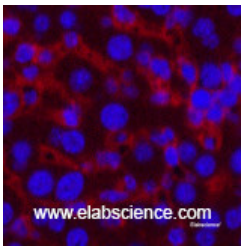
Data



Western Blot analysis of 1) Hela, 2) Mouse brain, 3) Rat brain with CASP8 Monoclonal Antibody
Observed Mw:43,57kDa



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.

Preparation & Storage

Storage	Store at -20℃. Avoid freeze / thaw cycles.

Background

Most upstream protease of the activation cascade of caspases responsible for the TNFRSF6/FAS mediated and

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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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