

Datasheet for ABIN7250248
anti-Caspase 8 antibody



[Go to Product page](#)

3 Images

Overview

Quantity:	200 µL
Target:	Caspase 8 (CASP8)
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Caspase 8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Protein
Clone:	2E3
Isotype:	IgG
Characteristics:	Monoclonal Antibody
Purification:	Protein A purification

Target Details

Target:	Caspase 8 (CASP8)
Alternative Name:	CASP8 (CASP8 Products)
Background:	Most upstream protease of the activation cascade of caspases responsible for the

Target Details

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.

Molecular Weight: 43,57 kDa

UniProt: [Q14790](#)

Pathways: [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [TLR Signaling](#), [Activation of Innate immune Response](#), [Tube Formation](#), [Positive Regulation of Endopeptidase Activity](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: WB 1:500-1:2000, IHC 1:100-1:300, IF 1:100-1:300

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

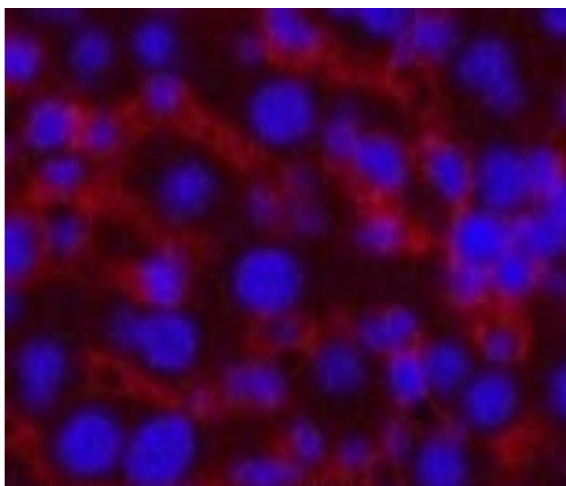
Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.4.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

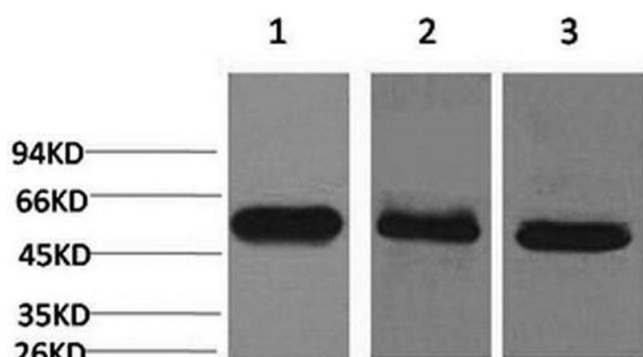
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



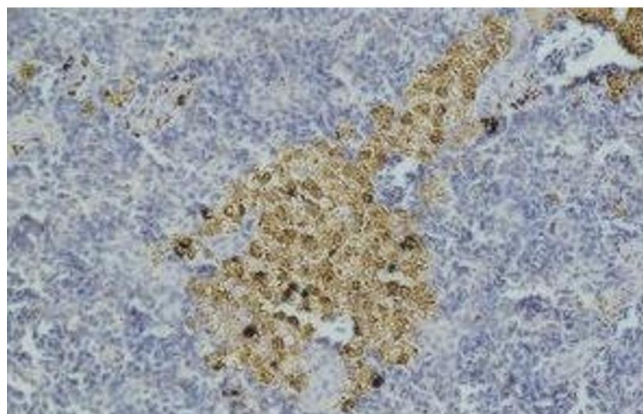
Immunofluorescence

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



Western Blotting

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



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Mouse spleen tissue with CASP8 Monoclonal Antibody