

Datasheet for ABIN969003  
**anti-Caspase 8 antibody**

5 Images

2 Publications

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## Overview

Quantity:	100 µL
Target:	Caspase 8 (CASP8)
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Caspase 8 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

## Product Details

Immunogen:	Purified recombinant fragment of human CASP8 expressed in E. coli.
Clone:	1H11
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	Caspase 8 (CASP8)
Alternative Name:	CASP8 ( <a href="#">CASP8 Products</a> )
Background:	Description: This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes composed of a prodomain, a large protease subunit, and a small protease subunit. Activation of caspases requires proteolytic processing at

## Target Details

conserved internal aspartic residues to generate a heterodimeric enzyme consisting of the large and small subunits. This protein is involved in the programmed cell death induced by Fas and various apoptotic stimuli. The N-terminal FADD-like death effector domain of this protein suggests that it may interact with Fas-interacting protein FADD. This protein was detected in the insoluble fraction of the affected brain region from Huntington disease patients but not in those from normal controls, which implicated the role in neurodegenerative diseases. Many alternatively spliced transcript variants encoding different isoforms have been described, although not all variants have had their full-length sequences determined.

Aliases: CAP4, MACH, MCH5, FLICE, ALPS2B, Casp-8, FLJ17672, MGC78473

Molecular Weight: 26 kDa

Gene ID: 841

HGNC: 841

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: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

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: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

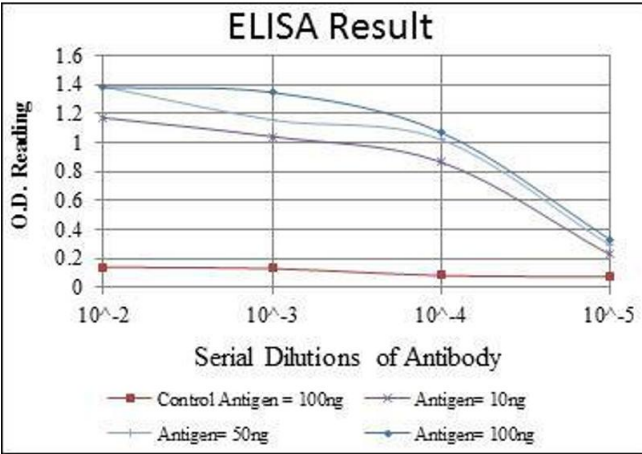
## Publications

Product cited in: Fulda: "Caspase-8 in cancer biology and therapy." in: **Cancer letters**, Vol. 281, Issue 2, pp. 128-

33, (2009) ([PubMed](#)).

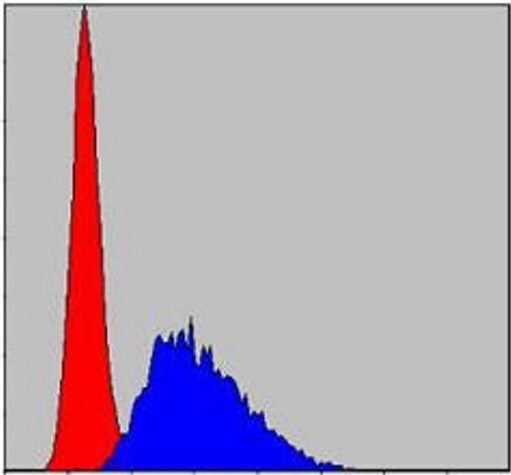
Jani, Gobejishvili, Hote, Barve, Joshi-Barve, Kharebava, Suttles, Chen, McClain, Barve: "Inhibition of methionine adenosyltransferase II induces FasL expression, Fas-DISC formation and caspase-8-dependent apoptotic death in T leukemic cells." in: **Cell research**, Vol. 19, Issue 3, pp. 358-69, (2009) ([PubMed](#)).

Images



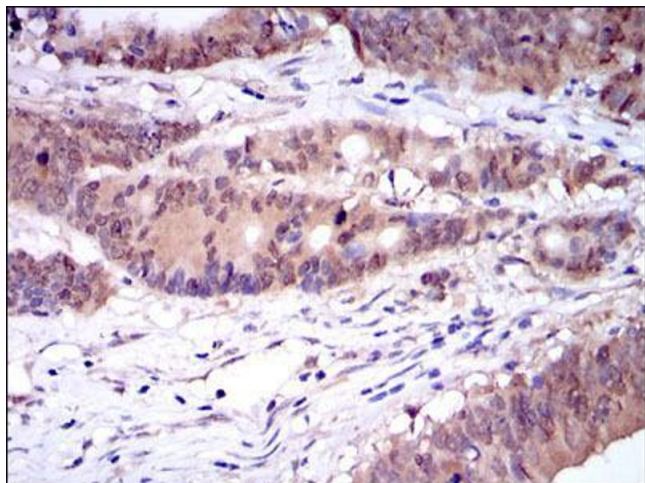
ELISA

**Image 1.** Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng),



Flow Cytometry

**Image 2.** Flow cytometric analysis of NIH/3T3 cells using CASP8 mouse mAb (blue) and negative control (red).



#### Immunohistochemistry

**Image 3.** Immunohistochemical analysis of paraffin-embedded colon cancer tissues using CASP8 mouse mAb with DAB staining.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN969003.