

CASP8 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2266
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human CASP8 expressed in E. Coli.
Mol wt	26kDa
Species reactivity	Human,Mouse,Monkey,Rat
Clonality	Monoclonal
Recommended application	WB,IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	CAP4;MACH;MCH5;FLICE;ALPS2B;Casp-8;FLJ17672;MGC78473

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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 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.

Recommended Dilution

WB: 1:500 - 1:2000

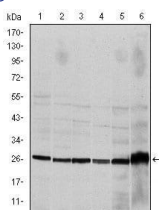
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

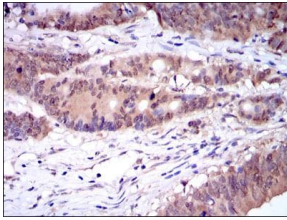
ELISA: 1:10000

Not yet tested in other applications.

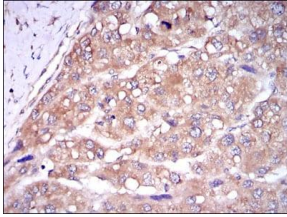
Images



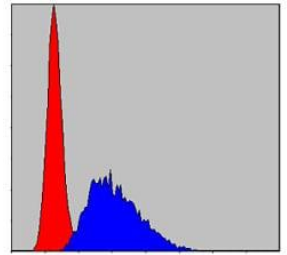
Western blot analysis using CASP8 mouse mAb against HeLa (1), Jurkat (2), THP-1 (3), NIH/3T3 (4), Cos7 (5) and PC-12 (6) cell lysate.



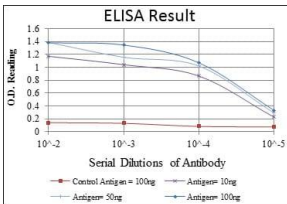
Immunohistochemical analysis of paraffin-embedded colon cancer tissues using CASP8 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded liver cancer tissues using CASP8 mouse mAb with DAB staining.



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



Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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