Product datasheet

Anti-Caspase 8/CASP8 Antibody (Clone#EEG-3)

Catalog Number: *BM4423*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-Caspase 8/CASP8 Antibody (Clone#EEG-3)
Gene Name	CASP8
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human Caspase-8
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	55 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

CASP8 is also known as CAP4, MACH or MCH5. 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. In addtion, 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.

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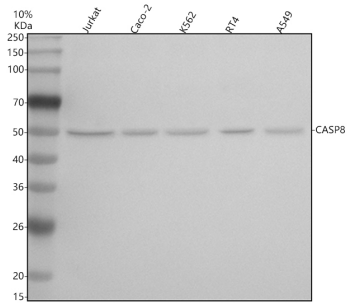
Reference

Anti-Caspase 8/CASP8 Antibody (Clone#EEG-3)被引用在6文献中。

Selected Validation Data



Western blot analysis of anti-CASP8 antibody (BM4423). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Jurkat whole cell lysates,
Lane 2: human Caco-2 whole cell lysates,
Lane 3: human K562 whole cell lysates,
Lane 4: human RT4 whole cell lysates,
Lane 5: human A549 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-CASP8 antigen affinity purified monoclonal antibody (BM4423) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for CASP8 at approximately 50 kDa. The expected band size for CASP8 is at 55 kDa.