Product datasheet

Anti-Caspase 9/CASP9 Antibody (Clone#FEE-3)

Catalog Number: *BM4521*

BOSTER
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Basic Information

Product Name	Anti-Caspase 9/CASP9 Antibody (Clone#FEE-3)
Gene Name	CASP9
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse
Tested Application	WB, IP
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 cleaved Caspase-9
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	46 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 ImmunoPrecipitation (IP):1:20

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

CASP9 is also known as MCH6 or APAF3. 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 which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein can undergo autoproteolytic processing and activation by the apoptosome, a protein complex of cytochrome c and the apoptotic peptidase activating factor 1; this step is thought to be one of the earliest in the caspase activation cascade. This protein is thought to play a central role in apoptosis and to be a tumor suppressor. Alternative splicing results in multiple transcript variants.

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Reference

Anti-Caspase 9/CASP9 Antibody (Clone#FEE-3)被引用在15文献中。

Selected Validation Data

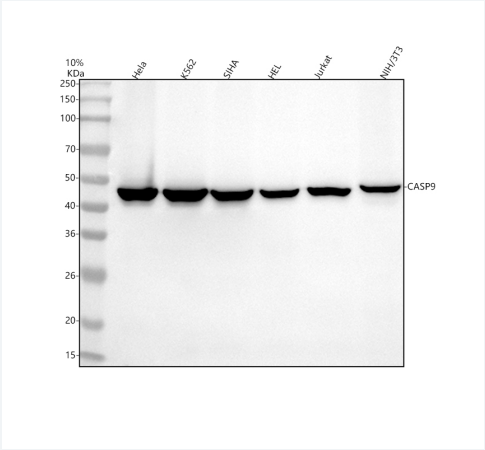

Figure 1. Western blot analysis of anti-Caspase 9/CASP9 antibody (BM4521). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Hela whole cell lysates,
Lane 2: human K562 whole cell lysates,
Lane 3: human SIHA whole cell lysates,
Lane 4: human HEL whole cell lysates,
Lane 5: human Jurkat whole cell lysates,
Lane 6: human Jurkat treated with staurosporine, Lane 7: mouse NIH/3T3 whole cell lysates,
Lane 8: mouse NIH/3T3 treated with staurosporine.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Caspase 9/CASP9 antigen affinity purified monoclonal antibody (BM4521) 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 Caspase 9/CASP9 at approximately 46 kDa. The expected band size for Caspase 9/CASP9 is at 46 kDa.