Product datasheet

Anti-Caspase 8/CASP8 (p18) Antibody

Catalog Number: *BA2143-2*

BOSTER®
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-Caspase 8/CASP8 (p18) Antibody
Gene Name	CASP8
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Caspase-8(P18), different from the related mouse sequence by one amino acid.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	55 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

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

Background Information

Caspase 8 is a caspase protein. It most likely acts upon caspase 3. This gene encodes a member of the cysteine-aspartic acid protease(caspase) family. The human CASP8 gene, whose product is also known as caspase 8 and FLICE, encodes an interleukin-1beta converting enzyme(ICE)-related cysteine protease that is activated by the engagement of several different death receptors. Caspase 8 is immediately recruited to the Fas receptor once it oligomerizes, and its protease activity is crucial for the apoptotic response generated by the resulting death-inducing signaling complex(DISC). This gene contains at least 11 exons spanning approximately 30kb on human chromosome band 2q33-34. This region of human chromosome 2 was previously reported as the location of the CASP10 gene, whose product is closely related to caspase 8. Caspase-8 deficiency in humans is compatible with normal development and shows that caspase-8 has a postnatal role in immune activation of naive lymphocytes.

Reference

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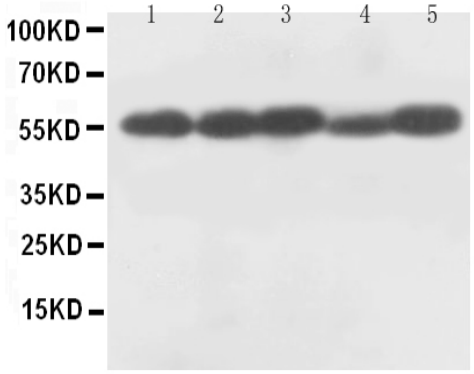
Anti-Caspase 8/CASP8 (p18) Antibody被引用在9文献中。

Selected Validation Data



Western blot analysis of Caspase 8/CASP8 (p18) using anti-Caspase 8/CASP8 (p18) antibody (BA2143-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: Rat thymus tissue lysates,
Lane 2: Rat liver tissue lysates,
Lane 3: MCF-7 whole cell lysates,
Lane 4: HELA whole cell lysates,
Lane 5: SMMC whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Caspase 8/CASP8 (p18) antigen affinity purified polyclonal antibody (BA2143-2) 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 8/CASP8 (p18) at approximately 55 kDa. The expected band size for Caspase 8/CASP8 (p18) is at 55 kDa.