BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Caspase-9 p35/Casp9 Antibody Picoband®

Catalog Number: A00080-4

About Casp9

Caspase-9 is an enzyme that in humans is encoded by the CASP9 gene. This gene is part of a family of caspases, aspartate-specific cysteine proteases well studied for their involvement in immune and apoptosis signaling. This protein, the initiator caspase, is activated after cytochrome c release from mitochondria and targets downstream effectors. In mouse, deficiency of this gene can cause perinatal lethality. This protein may have a role in normal brain development. Alternative splicing results in multiple transcript variants that encode different protein isoforms.

Overview

Product Name	Anti-Caspase-9 p35/Casp9 Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-Caspase-9 p35/Casp9 Antibody Picoband® catalog # A00080-4. Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	ELISA, Flow Cytometry, WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.01mg NaN3.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q8C3Q9

Technical Details

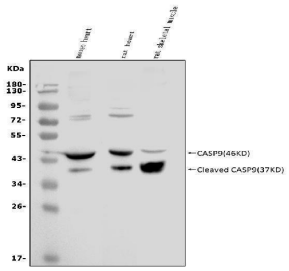
Immunogen	E.coli-derived mouse Caspase-9 p35/Casp9 recombinant protein (Position: E3-D266).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

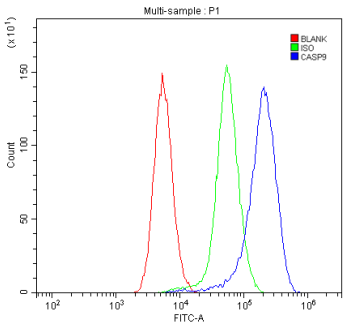
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5ug/ml, Mouse, Rat Flow Cytometry (Fixed), 1-3ug/1x10^6 cells, Mouse ELISA, 0.1-0.5ug/ml, -

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Caspase-9 p35/Casp9 Antibody Picoband® (A00080-4) Images



Western blot analysis of Caspase-9 p35/Casp9 using anti-Caspase-9 p35/Casp9 antibody (A00080-4). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30ug of sample under reducing conditions. Lane 1: mouse heart tissue lysates, Lane 2: rat heart tissue lysates, Lane 3: rat skeletal muscle tissue lysates, After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Caspase-9 p35/Casp9 antigen affinity purified polyclonal antibody (Catalog # A00080-4) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Caspase-9 p35/Casp9 at approximately 37/46KD. The expected band size for Caspase-9 p35/Casp9 is at 37/46KD.



Flow Cytometry analysis of mouse spleen tissues using anti-Caspase-9 p35/Casp9 antibody (A00080-4). Overlay histogram showing mouse spleen tissues stained with A00080-4 (Blue line). To facilitate intracellular staining, tissues were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The tissues were blocked with 10% normal goat serum. And then incubated with rabbit anti-Caspase-9 p35/Casp9 Antibody (A00080-4, 1ug/1x106 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10ug/1x106 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

2 Publications Citing This Product

1. PubMed ID: 10.3389/fphar.2021.609702, Anti-Myocardial Ischemia Reperfusion Injury Mechanism of Dried Ginger-Aconite Decoction Based on Network Pharmacology

2. PubMed ID: 33284899, Yue W,Cunlin G,Lu H,Yuanqing Z,Yanjun T,Qiong W. Neuroprotective effect of intermittent hypobaric hypoxia preconditioning on cerebral ischemia/reperfusion in rats. Int J Clin Exp Pathol.2020 Nov 1;13(11):2860-2869.PMID:33284899;PMCID:PMC7716138.

Visit bosterbio.com/anti-caspase-9-p35-casp9-picoband-trade-antibody-a00080-4-boster.html to see all 2 publications.

Submit a product review to Biocompare.com

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Caspase-9 p35/Casp9 Antibody

For Research Use Only. Not for use in diagnostic procedures.