

Anti-Caspase-9/CASP9 Antibody Picoband™

Catalog Number: PB9332

About CASP9

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.

Overview

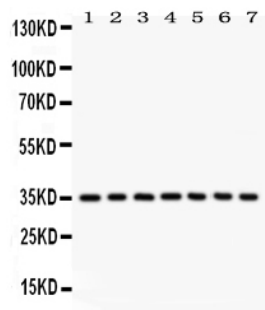
Product Name	Anti-Caspase-9/CASP9 Antibody Picoband™
Reactive Species	Human
Description	Boster Bio Anti-Caspase-9/CASP9 Antibody Picoband™ catalog # PB9332. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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	P55211

Technical Details

Immunogen	E.coli-derived human Caspase-9 recombinant protein (Position: E3-D228). Human Caspase-9 shares 63% amino acid (aa) sequence identity with mouse Caspase-9.
Predicted Reactive Species	Bovine
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.
Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Western blot, 0.1-0.5ug/ml, Human

Anti-Caspase-9/CASP9 Antibody Picoband™ (PB9332) Images



Anti-Caspase-9 Picoband antibody, PB9332, Western blotting

All lanes: Anti Caspase-9 (PB9332) at 0.5ug/ml

Lane 1: A549 Whole Cell Lysate at 40ug

Lane 2: SMMC Whole Cell Lysate at 40ug

Lane 3: 293T Whole Cell Lysate at 40ug

Lane 4: JURKAT Whole Cell Lysate at 40ug

Lane 5: RAJI Whole Cell Lysate at 40ug

Lane 6: CEM Whole Cell Lysate at 40ug

Lane 7: HUT Whole Cell Lysate at 40ug

Predicted bind size: 35KD

Observed bind size: 35KD

17 Publications Citing This Product

1. PubMed ID: 25344274, Huang C, Lin Y, Su H, Ye D. Neurochem Res. 2015 Jan;40(1):27-35. Doi: 10.1007/S11064-014-1461-5. Epub 2014 Oct 25. Forsythiaside Protects Against Hydrogen Peroxide-Induced Oxidative Stress And Apoptosis In Pc12 Cell.

2. PubMed ID: 20043050, Li B, Chu X, Gao M, Li W. Acta Biochim Biophys Sin (Shanghai). 2010 Jan;42(1):80-9. Apoptotic Mechanism Of Mcf-7 Breast Cells In Vivo And In Vitro Induced By Photodynamic Therapy With C-Phycocyanin.

3. PubMed ID: 28197193, Chinese herbal medicine Yougui Pill reduces exogenous glucocorticoid-induced apoptosis in anterior pituitary cells

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