

Anti-Caspase-7/CASP7 Antibody Picoband™

Catalog Number: PB9369

About CASP7

CASP7, Caspase-7, apoptosis-related cysteine peptidase, is a human protein encoded by the CASP7 gene. CASP7 orthologs have been identified in nearly all mammals for which complete genome data are available. CASP7 is a member of the caspase (cysteine aspartate protease) family of proteins, and has been shown to be an executioner protein of apoptosis. Using radiation hybrid mapping, the CASP7 gene was localized to human chromosome 10q25.1-q25.2. The orderly activation of CASP7 regulates microglia activation through a protein kinase C-delta (PRKCD)-dependent pathway.

Overview

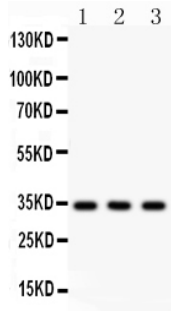
Product Name	Anti-Caspase-7/CASP7 Antibody Picoband™
Reactive Species	Human, Rat
Description	Boster Bio Anti-Caspase-7/CASP7 Antibody Picoband™ catalog # PB9369. Tested in IHC, WB applications. This antibody reacts with Human, Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na ₂ HPO ₄ .
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	P55210

Technical Details

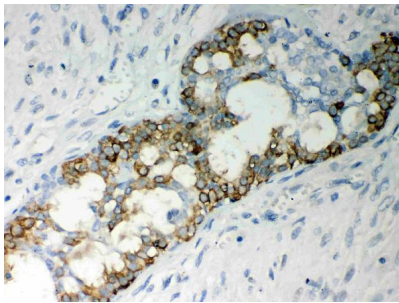
Immunogen	E.coli-derived human CASP7 recombinant protein (Position: A117-D198). Human CASP7 shares 92.7% amino acid (aa) sequence identity with both mouse and rat CASP7.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
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: Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, By Heat Western blot, 0.1-0.5ug/ml, Human, Rat

Anti-Caspase-7/CASP7 Antibody Picoband™ (PB9369) Images



Anti-Caspase-7 Picoband antibody, PB9369, Western blotting
All lanes: Anti Caspase-7(PB9369) at 0.5ug/ml
Lane 1: A549 Whole Cell Lysate at 40ug
Lane 2: Rat Spleen Tissue Lysate at 50ug
Lane 3: Rat Lung Tissue Lysate at 50ug
Predicted bind size: 34KD
Observed bind size: 34KD



Anti-Caspase-7 Picoband antibody, PB9369, IHC(P)
IHC(P): Human Mammary Cancer Tissue

2 Publications Citing This Product

1. PubMed ID: 28643466, Anemonin attenuates osteoarthritis progression through inhibiting the activation of IL-10/NF- κ B pathway

2. PubMed ID: 22139054, Rasul A, Yu B, Khan M, Zhang K, Iqbal F, Ma T, Yang H. Int J Oncol. 2012 Apr;40(4):1153-61. Doi: 10.3892/ijo.2011.1277. Epub 2011 Nov 30. Magnolol, A Natural Compound, Induces Apoptosis Of Sgc-7901 Human Gastric Adenocarcinoma Cells Vi...

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