

Anti-Caspase-7(P11)/CASP7 Antibody Picoband®

Catalog Number: PA1442

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(P11)/CASP7 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Caspase-7 (P11)/CASP7 Antibody catalog # PA1442. Tested in IHC, WB applications. This antibody reacts with Human, 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	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

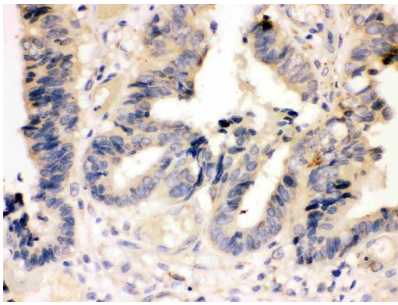
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Caspase-7(P11), different from the related mouse and rat sequences by two amino acids.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, 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	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

Anti-Caspase-7(P11)/CASP7 Antibody Picoband® (PA1442) Images



Anti-Caspase-7(P11) antibody, PA1442, Western blotting
All lanes: Anti CASP7(p11) (PA1442) at 0.5ug/ml
Lane 1: HELA Whole Cell Lysate at 40ug
Lane 2: MCF-7 Whole Cell Lysate at 40ug
Lane 3: Rat Liver Tissue Lysate at 50ug
Lane 4: Rat Kidney Tissue Lysate at 50ug
Predicted bind size: 34KD
Observed bind size: 34KD



Anti-Caspase-7(P11) antibody, PA1442, IHC(P)
IHC(P): Human Intestinal Cancer Tissue

3 Publications Citing This Product

1. PubMed ID: 28643466, Anemonin attenuates osteoarthritis progression through inhibiting the activation of IL β /NF κ B pathway
2. PubMed ID: 28716756, Cartilage-specific deletion of Alk5 gene results in a progressive osteoarthritis-like phenotype in mice
3. 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...

Visit bosterbio.com/anti-caspase-7-p11-antibody-pa1442-boster.html to see all 3 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Caspase-7(P11)/CASP7 Antibody

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