

Anti-Caspase 4/CASP4 Antibody Picoband®

Catalog Number: PA1490

About CASP4

Caspase 4 is an enzyme that proteolytically cleaves other proteins at an aspartic acid residue, and belongs to a family of cysteine proteases called caspases. The Caspase 4 gene is mapped to a P1 clone containing the ICE gene, which is located at chromosome 11q22.2-q22.3. It contains 8 coding exons. The function of caspase 4 is not fully known, but it is believed to be an inflammatory caspase, along with caspase 1, caspase 5 (and the murine homolog caspase 11), with a role in the immune system.

Overview

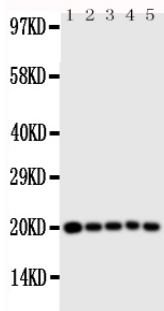
Product Name	Anti-Caspase 4/CASP4 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-Caspase 4/CASP4 Antibody catalog # PA1490. Tested in IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, 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 antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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	P49662

Technical Details

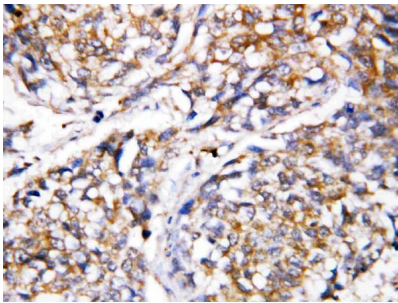
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Caspase 4.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
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

Anti-Caspase 4/CASP4 Antibody Picoband® (PA1490) Images



Anti-Caspase 4 antibody, PA1490, Western blotting All lanes:
Anti Caspase 4 (PA1490) at 0.5ug/ml Lane 1: MCF-7 Whole Cell Lysate at 40ug Lane 2: HELA Whole Cell Lysate at 40ug Lane 3: JURKAT Whole Cell Lysate at 40ug Lane 4: CEM Whole Cell Lysate at 40ug Lane 5: SW620 Whole Cell Lysate at 40ug Predicted bind size: 43KD Observed bind size: 20KD



Anti-Caspase 4 antibody, PA1490, IHC(P) IHC(P): Human Mammary Cancer Tissue

2 Publications Citing This Product

1. PubMed ID: 22959511, Chen J, Wei H, Xie B, Wang B, Cheng J, Cheng J. Leuk Res. 2012 Dec;36(12):1526-35. Doi: 10.1016/J.Leukres.2012.08.018. Epub 2012 Sep 7. Endoplasmic Reticulum Stress Contributes To Arsenic Trioxide-Induced Apoptosis In Drug-Sensitive And -Resistant...

2. PubMed ID: 25661376, Ji J, Yan X, Li Z, Lai Z, Liu J. Biomed Pharmacother. 2015 Feb;69:311-6. Doi: 10.1016/J.Biopha.2014.12.020. Epub 2014 Dec 19. Therapeutic Effects Of Intrathecal Versus Intravenous Monosialoganglioside Against Bupivacaine-Induced Spinal Neurotoxicity...

Visit bosterbio.com/anti-caspase-4-antibody-pa1490-boster.html to see all 2 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 4/CASP4 Antibody

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