

Anti-Caspase-12/CASP12 Antibody Picoband®

Catalog Number: PA2103

About CASP12

Caspase 12 is an enzyme known as a cysteine protease. It belongs to a family of enzymes called caspases that cleave their substrates at C-terminal aspartic acid residues. The CASP12 gene was mapped to chromosome 11q22.3. Csp12L attenuates the inflammatory and innate immune response to endotoxins and in doing so may constitute a risk factor for developing sepsis. The estrogen-mediated inhibition of CSP12L expression is a built-in mechanism that has evolved to protect females from infection by favoring a more robust inflammatory response to pathogens, perhaps notably in childbirth.

Overview

Product Name	Anti-Caspase-12/CASP12 Antibody Picoband®
Reactive Species	Human, Rat
Description	Boster Bio Anti-Caspase-12/CASP12 Antibody catalog # PA2103. Tested in IHC, WB applications. This antibody reacts with Human, 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 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	Q6UXS9

Technical Details

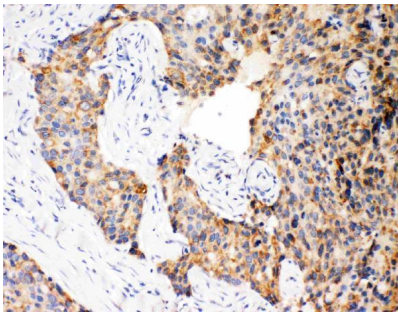
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Caspase-12.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
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

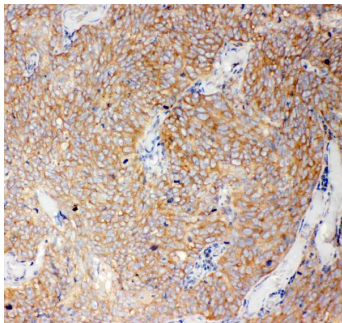
Anti-Caspase-12/CASP12 Antibody Picoband® (PA2103) Images



Anti-Caspase-12 antibody, PA2103, Western blotting All lanes: Anti Caspase-12 (PA2103) at 0.5ug/ml Lane 1: PANC Whole Cell Lysate at 40ug Lane 2: SMMC Whole Cell Lysate at 40ug Lane 3: A549 Whole Cell Lysate at 40ug Lane 4: HELA Whole Cell Lysate at 40ug Predicted bind size: 39KD Observed bind size: 39KD



Anti-Caspase-12 antibody, PA2103, IHC(P) IHC(P): Human Mammary Cancer Tissue



Anti-Caspase-12 antibody, PA2103, IHC(P) IHC(P): Human Lung Cancer Tissue

3 Publications Citing This Product

1. PubMed ID: 24013954, Zhao S, Xiong Z, Mao X, Meng D, Lei Q, Li Y, Deng P, Chen M, Tu M, Lu X, Yang G, He G. Plos One. 2013 Aug 27;8(8):E73665. Doi: 10.1371/Journal.Pone.0073665. Ecollection 2013. Atmospheric Pressure Room Temperature Plasma Jets Facilitate Oxidative A...
2. PubMed ID: 21625440, Ding Y, Zou J, Li Z, Tian J, Abdelalim S, Du F, She R, Wang D, Tan C, Wang H, Chen W, Lv D, Chang L. Plos One. 2011;6(5):E20008. Doi: 10.1371/Journal.Pone.0020008. Epub 2011 May 23. Study Of Histopathological And Molecular Changes Of Rat Kidney Un...
3. PubMed ID: 30651819, Bone marrow stromal cells improved functional recovery in spinal cord injury rats partly via the Toll-like receptor 4/nuclear factor- κ B signaling pathway Shi Bai, Hao Zhou, and Lijuan Wu Exp Ther Med. 2019 Jan; 17(1): 444-448. Published online 2018 Oct

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Anti-Caspase-12/CASP12 Antibody

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