BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Caspase-8(P10)/CASP8 Antibody Picoband®

Catalog Number: PA1524

About CASP8

Caspase 8 is a caspase protein. It most likely acts upon caspase 3. This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. The human CASP8 gene, whose product is also known as caspase 8 and FLICE, encodes an interleukin-1beta converting enzyme (ICE)-related cysteine protease that is activated by the engagement of several different death receptors. Caspase 8 is immediately recruited to the Fas receptor once it oligomerizes, and its protease activity is crucial for the apoptotic response generated by the resulting death-inducing signaling complex (DISC). This gene contains at least 11 exons spanning approximately 30kb on human chromosome band 2q33-34. This region of human chromosome 2 was previously reported as the location of the CASP10 gene, whose product is closely related to caspase 8.Caspase-8 deficiency in humans is compatible with normal development and shows that caspase-8 has a postnatal role in immune activation of naive lymphocytes.

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Overview

Product Name	Anti-Caspase-8(P10)/CASP8 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-Caspase-8 (P10)/CASP8 Antibody catalog # PA1524. 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 Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *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	Q14790

BOSTER
antibody and ELISA experts

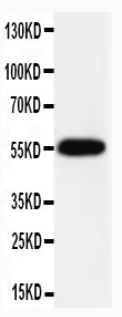
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Technical Details

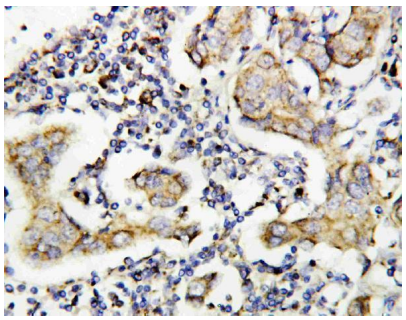
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Caspase-8(P10).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
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

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Anti-Caspase-8(P10)/CASP8 Antibody Picoband® (PA1524) Images



Anti-Caspase-8(P10) antibody, PA1524, Western blottingWB: HELA Cell Lysate



Anti-Caspase-8(P10) antibody, PA1524, IHC(P)IHC(P): Human Mammary Cancer Tissue

17 Publications Citing This Product

1. PubMed ID: 33392195, Zhou L,Yu W,Jayabalan DS,Niesvizky R,Jaffrey SR,Huang X,Xu G.Caspase-8 Inhibition Prevents the Cleavage and Degradation of E3 Ligase Substrate Receptor Cereblon and Potentiates Its Biological Function.Front Cell Dev Biol.2020 Dec 17;8:605989.doi:10.3389/f

2. PubMed ID: 24604244, Jiang H, Li J, Zhou T, Wang C, Zhang H, Wang H. Int J Mol Med. 2014 May;33(5):1298-304. Doi: 10.3892/Ijmm.2014.1684. Epub 2014 Mar 6. Colistin-Induced Apoptosis In Pc12 Cells: Involvement Of The Mitochondrial Apoptotic And Death Receptor Pathways.

3. PubMed ID: 21881990, Xia L, Luo Ql, Lin Hd, Zhang Jl, Guo H, He Cq. Rheumatol Int. 2012 Sep;32(9):2847-56. Doi: 10.1007/S00296-011-2080-Y. Epub 2011 Sep 1. The Effect Of Different Treatment Time Of Millimeter Wave On Chondrocyte Apoptosis, Caspase-3, Caspase-8, And Mm...

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