

## 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.

### Overview

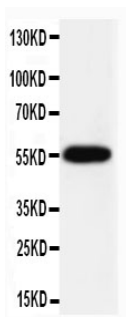
Product Name	Anti-Caspase-8(P10)/CASP8 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-Caspase-8 (P10)/CASP8 Antibody catalog # PA1524. Tested in IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior 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 Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> . *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

### Technical Details

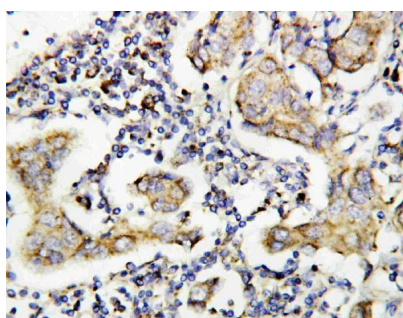
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Caspase-8(P10).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).

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

## 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: 25672487, Zhan W, Hu X, Yi J, An Q, Huang X. *Mol Med Rep.* 2015 Jun;11(6):4142-8. Doi: 10.3892/Mmr.2015.3326. Epub 2015 Feb 10. Inhibitory Activity Of Apogossypol In Human Prostate Cancer In Vitro And In Vivo.
3. PubMed ID: 28032492, Croton Tiglium Extract Induces Apoptosis via Bax/Bcl-2 Pathways in Human Lung Cancer A549 Cells

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