BOSTER
antibody and ELISA experts

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Anti-Caspase-8(P10)/CASP8 Antibody

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
Reactive Species	Human
Description	Boster Bio Anti-Caspase-8 (P10)/CASP8 Antibody catalog # PA1524. Tested in IHC, WB applications. This antibody reacts with Human.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
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).
Predicted Reactive Species	Hamster
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

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Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, By Heat Western blot, 0.1-0.5ug/ml, Human

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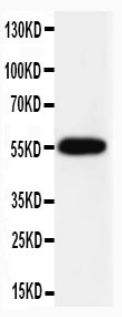
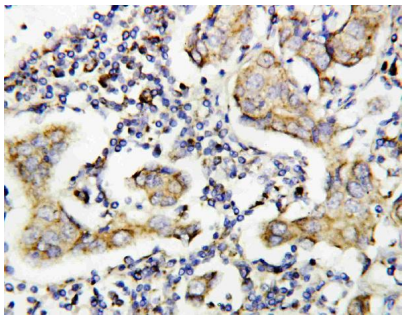
Anti-Caspase-8(P10)/CASP8 Antibody (PA1524) Images



Anti-Caspase-8(P10) antibody, PA1524, Western blotting
WB: 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

Visit bosterbio.com/anti-caspase-8-p10-antibody-pa1524-boster.html to see all 17 publications.

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