

Anti-XIAP Antibody Picoband®

Catalog Number: PB9965

About XIAP

XIAP, also known as IAP3 or BIRC4, is a protein that stops apoptotic cell death. It is mapped to chromosome Xq25. This gene encodes a protein that belongs to a family of apoptotic suppressor proteins. Members of this family share a conserved motif termed, baculovirus IAP repeat, which is necessary for their anti-apoptotic function. This protein functions through binding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2 and inhibits apoptosis induced by menadione, a potent inducer of free radicals, and interleukin 1-beta converting enzyme. This protein also inhibits at least two members of the caspase family of cell-death proteases, caspase-3 and caspase-7. Mutations in this gene are the cause of X-linked lymphoproliferative syndrome. Alternate splicing results in multiple transcript variants.

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.



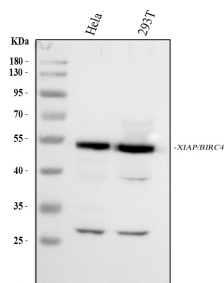
Overview

Product Name	Anti-XIAP Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-XIAP Antibody Picoband® catalog # PB9965. Tested in 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	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , and 0.05 mg Na ₃ N. *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	P98170

Technical Details

Immunogen	E.coli-derived human XIAP recombinant protein (Position: A15-V244). Human XIAP shares 89.4% and 90.7% amino acid (aa) sequence identity with mouse and rat XIAP, respectively.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
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	Western blot, 0.1-0.5ug/ml, Human

Anti-XIAP Antibody Picoband® (PB9965) Images



Western blot analysis of XIAP using anti-XIAP antibody (PB9965). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HeLa whole cell lysates, Lane 2: human 293T whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-XIAP antigen affinity purified polyclonal antibody (Catalog # PB9965) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for XIAP at approximately 55 kDa. The expected band size for XIAP is at 57 kDa.

2 Publications Citing This Product

1. PubMed ID: 28300775, Wei H, Gao Z, Zheng L, Zhang C, Liu Z, Yang Y, Teng H, Hou L, Yin Y, Zou X0. Mar Drugs. 2017 Mar 16;15(3). pii: E77. doi: 10.3390/md15030077. Protective Effects of Fucoïdan on Abeta25-35 and d-Gal-Induced Neurotoxicity in PC12 Cells and d-Gal-Induced...

2. PubMed ID: 25878591, Chen Gg, Mao M, Qiu Lz, Liu Qm. Neural Regen Res. 2015 Mar;10(3):425-31. Doi: 10.4103/1673-5374.153691. Gene Transfection Mediated By Polyethyleneimine-Polyethylene Glycol Nanocarrier Prevents Cisplatin-Induced Spiral Ganglion Cell Damage.

Visit bosterbio.com/anti-xiap-picoband-trade-antibody-pb9965-boster.html to see all 2 publications.

Anti-XIAP Antibody

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