BOSTER BIOLOGICAL TECHNOLOGY
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Anti-cIAP2/BIRC3 Antibody Picoband®

Catalog Number: PB9527

About BIRC3

Baculoviral IAP repeat-containing protein 3 (also known as cIAP2) is a protein that in humans is encoded by the BIRC3 gene. cIAP2 is a member of the IAP family of proteins that inhibit apoptosis by binding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2, probably by interfering with activation of ICE-like proteases. The encoded protein inhibits apoptosis induced by serum deprivation but does not affect apoptosis resulting from exposure to menadione, a potent inducer of free radicals. It contains 3 baculovirus IAP repeats and a ring finger domain. Transcript variants encoding the same isoform have been identified.

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Overview

Product Name	Anti-cIAP2/BIRC3 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-cIAP2/BIRC3 Antibody Picoband® catalog # PB9527. 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 Na2HPO4, and 0.05 mg 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	Q13489

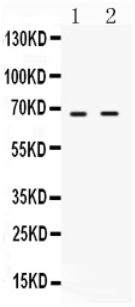
Technical Details

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Immunogen	E.coli-derived human cIAP2 recombinant protein (Position: M1-K191). Human cIAP2 shares 69.8% amino acid (aa) sequence identity with mouse cIAP2.
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

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Anti-cIAP2/BIRC3 Antibody Picoband® (PB9527) Images



Western blot analysis of cIAP2 using anti-cIAP2 antibody (PB9527). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. Lane 1: HEPG2 Whole Cell Lysate at 40ug, Lane 2: HELA Whole Cell Lysate at 40ug. 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-cIAP2 antigen affinity purified polyclonal antibody (Catalog # PB9527) 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 cIAP2 at approximately 68 kDa. The expected band size for cIAP2 is at 68 kDa.

Anti-cIAP2/BIRC3 Antibody

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