BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti-BAG1 Antibody Picoband®

Catalog Number: A02423-3

About BAG1

BAG family molecular chaperone regulator 1 (BAG1) is a protein that in humans is encoded by the BAG1 gene. Human BAG1 is mapped to chromosome 9p12, a region associated with hereditary disorders that may involve developmental dysregulation of programmed cell death. The Bag1 protein is rich in glutamic acid residues. Its deduced 274-amino acid protein has a calculated molecular mass of 31 KD. Being the BCL-2-associated athanogene, Bag1 enhances the anti-apoptotic effects of BCL2 and represents a link between growth factor receptors and anti-apoptotic mechanisms.

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Overview

Product Name	Anti-BAG1 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-BAG1 Antibody Picoband® catalog # A02423-3. 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 4mg Trehalose, 0.9mg NaCl and 0.2mg Na2HPO4.
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	Q99933

Technical Details

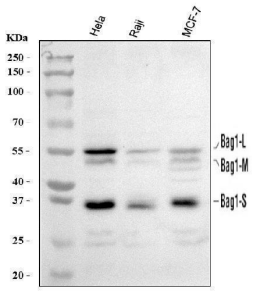
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human BAG1, which shares 91.4% and 88.6% amino acid (aa) sequence identity with mouse and rat BAG1, respectively.

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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, 0.25-0.5ug/ml, Human

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Anti-BAG1 Antibody Picoband® (A02423-3) Images



Western blot analysis of BAG1 using anti-BAG1 antibody (A02423-3). 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 Raji whole cell lysates, Lane 3: human MCF-7 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA 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-BAG1 antigen affinity purified polyclonal antibody (Catalog # A02423-3) 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 BAG1 at approximately 33 kDa(S), 46 kDa(M), 56 kDa(L). The expected band size for BAG1 is at 39 kDa.

Anti-BAG1 Antibody

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