

## Anti-PIK3AP1 Antibody Picoband®

Catalog Number: A08114

### About PIK3AP1

Phosphoinositide 3-kinase adapter protein 1 is an enzyme that in humans is encoded by the PIK3AP1 gene. BCAP (B cell adaptor for phosphoinositide 3-kinase (PI3K)), also known as PI3KAP1, participates in linking the B cell antigen receptor (BCR) with the PI3K pathway. Tyrosine phosphorylation of BCAP by BCR-associated protein tyrosine kinases, such as Syk and Btk, generates binding sites for the p85 subunit of PI3K, resulting in activation of the PI3K pathway. Human and mouse BCAP contain 3 YXXM SH2 binding motifs for interaction with PI3K. BCAP null mice have deficient immune function, with B cells that exhibit enhanced apoptosis.

### Overview

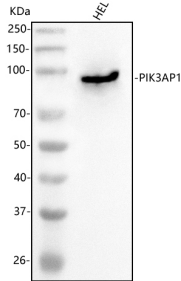
Product Name	Anti-PIK3AP1 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-PIK3AP1 Antibody Picoband® catalog # A08114. Tested in ELISA, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .
Storage Instructions	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 freezing and thawing.
Host	Rabbit
Uniprot ID	Q6ZUJ8

### Technical Details

Immunogen	E.coli-derived human PIK3AP1 recombinant protein (Position: H78-R583). Human PIK3AP1 shares 83.8% amino acid (aa) sequence identity with mouse PIK3AP1.
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	IgG
Form	Lyophilized

Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human ELISA, 0.1-0.5 ug/ml, -

## Anti-PIK3AP1 Antibody Picoband® (A08114) Images



Western blot analysis of PIK3AP1 using anti-PIK3AP1 antibody (A08114). 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 HEL 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-PIK3AP1 antigen affinity purified polyclonal antibody (Catalog # A08114) 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 PIK3AP1 at approximately 90 kDa. The expected band size for PIK3AP1 is at 90,95,100 kDa.

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### Anti-PIK3AP1 Antibody

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