

## Anti-PIP5K1B Antibody Picoband®

Catalog Number: A08932-1

### About PIP5K1B

Predicted to enable 1-phosphatidylinositol-4-phosphate 5-kinase activity. Predicted to be involved in phosphatidylinositol phosphate biosynthetic process. Predicted to act upstream of or within phosphatidylinositol biosynthetic process. Located in uropod.

### Overview

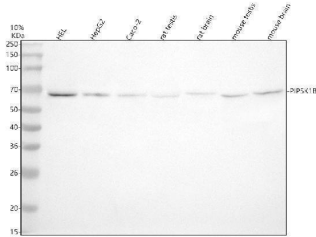
Product Name	Anti-PIP5K1B Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PIP5K1B Antibody Picoband® catalog # A08932-1. Tested in WB, Flow Cytometry, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody 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, Flow Cytometry, 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	O14986

### Technical Details

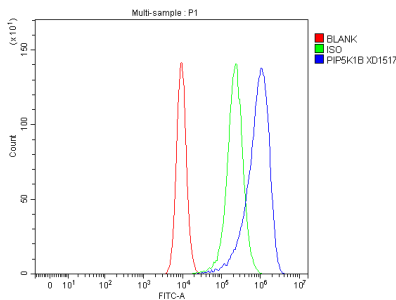
Immunogen	E.coli-derived human PIP5K1B recombinant protein (Position: R394-L540). Human PIP5K1B shares 96.6% and 95.2% amino acid (aa) sequence identity with mouse and rat PIP5K1B, respectively.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
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, 0.25-0.5 ug/ml, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 ug/1x10 <sup>5</sup> cells, Human ELISA, 0.1-0.5 ug/ml

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## Anti-PIP5K1B Antibody Picoband® (A08932-1) Images



Western blot analysis of PIP5K1B using anti-PIP5K1B antibody (A08932-1). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HEL whole cell lysates, Lane 2: human HepG2 whole cell lysates, Lane 3: human Caco-2 whole cell lysates, Lane 4: rat testis tissue lysates, Lane 5: rat brain tissue lysates, Lane 6: mouse testis tissue lysates, Lane 7: mouse brain tissue 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-PIP5K1B antigen affinity purified polyclonal antibody (A08932-1) 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 ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for PIP5K1B at approximately 62 kDa. The expected band size for PIP5K1B is at 61 kDa.



Flow Cytometry analysis of CACO-2 cells using anti-PIP5K1B antibody (A08932-1). Overlay histogram showing CACO-2 cells stained with A08932-1 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PIP5K1B Antibody (A08932-1, 1 ug/1x10<sup>6</sup> cells) for 30 min at 20°C. DyLight<sup>®</sup>488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x10<sup>6</sup> cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

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### Anti-PIP5K1B Antibody

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