

## Anti-PGLYRP2 Antibody Picoband®

Catalog Number: A09568

### About PGLYRP2

Peptidoglycan recognition protein 2 (PGLYRP2) is an enzyme (EC 3.5.1.28), N-acetylmuramoyl-L-alanine amidase (NAMLAA), that hydrolyzes bacterial cell wall peptidoglycan and is encoded by the PGLYRP2 gene. This gene encodes a peptidoglycan recognition protein, which belongs to the N-acetylmuramoyl-L-alanine amidase 2 family. This protein hydrolyzes the link between N-acetylmuramoyl residues and L-amino acid residues in bacterial cell wall glycopeptides, and thus may play a scavenger role by digesting biologically active peptidoglycan into biologically inactive fragments.

### Overview

Product Name	Anti-PGLYRP2 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PGLYRP2 Antibody Picoband® catalog # A09568. Tested in WB, FCM, 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	Q96PD5

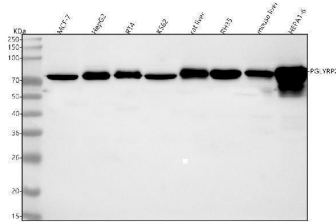
### Technical Details

Immunogen	E.coli-derived human PGLYRP2 recombinant protein (Position: D198-Q524). Human PGLYRP2 shares 79.2% amino acid (aa) sequence identity with mouse PGLYRP2.
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 µg/ml.
Purification	Immunogen affinity purified.

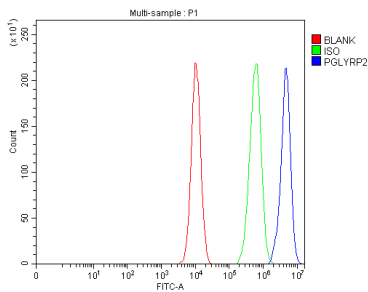
Suggested Dilutions

Western blot, 0.1-0.25 ug/ml, Human, Mouse, Rat  
Flow Cytometry (Fixed), 1-3 ug/ $1 \times 10^6$  cells, Human  
ELISA, 0.1-0.5 ug/ml, -

## Anti-PGLYRP2 Antibody Picoband® (A09568) Images



Western blot analysis of PGLYRP2 using anti-PGLYRP2 antibody (A09568). 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 MCF-7 whole cell lysates, Lane 2: human HepG2 whole cell lysates, Lane 3: human RT4 whole cell lysates, Lane 4: human K562 whole cell lysates, Lane 5: rat liver tissue lysates, Lane 6: rat RH-35 whole cell lysates, Lane 7: mouse liver tissue lysates, Lane 8: mouse Hepa1-6 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-PGLYRP2 antigen affinity purified polyclonal antibody (Catalog # A09568) at 0.25 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 PGLYRP2 at approximately 74 kDa. The expected band size for PGLYRP2 is at 62 kDa.



Flow Cytometry analysis of K562 cells using anti-PGLYRP2 antibody (A09568). Overlay histogram showing K562 cells stained with A09568 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-PGLYRP2 Antibody (A09568, 1 ug/1x10<sup>6</sup> cells) for 30 min at 20°C. DyLight®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 (Red line) was also used as a control.

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