

Rabbit PGLYRP2 Polyclonal Antibody | anti-PGLYRP2 antibody

Anti-PGLYRP2 Antibody Picoband

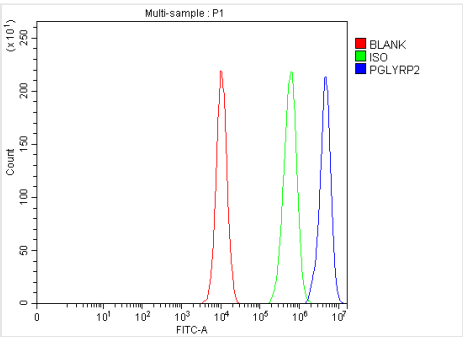
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127591	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

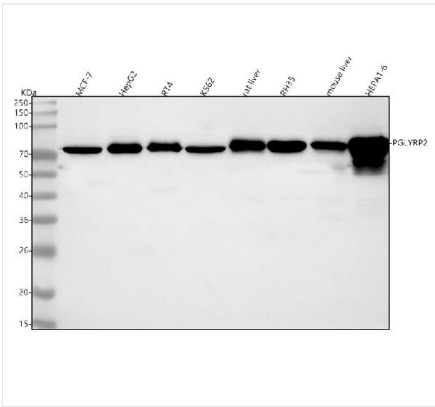
PGLYRP2; Polyclonal Antibody; Anti-PGLYRP2 Antibody Picoband; anti-PGLYRP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-PGLYRP2 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human PGLYRP2 recombinant protein (Position: D198-Q524). Human PGLYRP2 shares 79.2% amino acid (aa) sequence identity with mouse PGLYRP2.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of K562 cells using anti-PGLYRP2 antibody (AAA127591).Overlay histogram showing K562 cells stained with AAA127591 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-PGLYRP2 Antibody (AAA127591, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of PGLYRP2 using anti-PGLYRP2 antibody (AAA127591).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 (#AAA127591) at 0.25ug/mL overnight at 4 degree 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 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.

ADDITIONAL INFORMATION

Related Product Information for anti-PGLYRP2 antibody	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.
Product Categories/Family for anti-PGLYRP2 antibody	Primary Antibodies
References	1. Liu, C., Xu, Z., Gupta, D., Dziarski, R. Peptidoglycan recognition proteins: a novel family of four human innate immunity pattern recognition molecules. J. Biol. Chem. 276: 34686-34694, 2001. 2. Xu, M., Wang, Z., Locksley, R. M. Innate immune responses in peptidoglycan recognition protein L-deficient mice. Molec. Cell. Biol. 24: 7949-7957, 2004.

NCBI AND UNIPROT INFORMATION

NCBI GI #	156616294
NCBI GeneID	114770
NCBI Accession #	NP_443122.3
NCBI GenBank Nucleotide #	NM_052890.3
UniProt Accession #	Q96PD5; Q68CK1; Q96N74; Q9UC60; A8K050; A8K8C7; B2RMZ2; B7ZM33
Molecular Weight	68,000 Da
NCBI Official Full Name	N-acetylMuramoyl-L-alanine amidase
NCBI Official Synonym Full Names	peptidoglycan recognition protein 2
NCBI Official Symbol	PGLYRP2

NCBI Official Synonym Symbols	tagL; PGRPL; PGRP-L; PGLYRPL; HMFT0141; TAGL-like; tagl-beta; tagL-alpha
NCBI Protein Information	N-acetylmuramoyl-L-alanine amidase
UniProt Protein Name	N-acetylmuramoyl-L-alanine amidase
UniProt Gene Name	PGLYRP2
UniProt Synonym Gene Names	PGLYRPL; PGRPL; PGRP-L
UniProt Entry Name	PGRP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pglyrp2-antibody-flow-cytometry-western-blot-elisa/127591>