Datasheet for ABIN7600457

anti-PGLYRP2 antibody (AA 198-524)

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Overview

Quantity:	100 µg
Target:	PGLYRP2
Binding Specificity:	AA 198-524
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PGLYRP2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-PGLYRP2 Antibody Picoband®
Immunogen:	E.coli-derived human PGLYRP2 recombinant protein (Position: D198-Q524). Human PGLYRP2 shares 79.2% amino acid (aa) sequence identity with mouse PGLYRP2.
Characteristics:	Anti-PGLYRP2 Antibody Picoband® (ABIN7600457). 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	PGLYRP2
Alternative Name:	PGLYRP2 (PGLYRP2 Products)
Background:	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.
Molecular Weight:	74 kDa
Gene ID:	114770
Pathways:	Activation of Innate immune Response, Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 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.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	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.