

## Product datasheet for **TA351521**

### **PGRPS (PGLYRP1) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 200-1000 WB positive control: Hela and K562 cells, human fetal liver tissue
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human PGLYRP1
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	22 kDa
Gene Name:	peptidoglycan recognition protein 1
Database Link:	<a href="#">NP_005082</a> <a href="#">Entrez Gene 21946 Mouse</a> <a href="#">Entrez Gene 8993 Human</a> <a href="#">O75594</a>



[View online »](#)

**Background:**

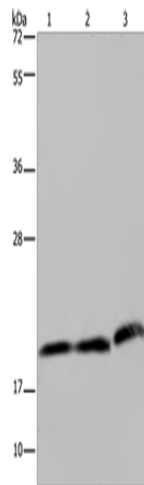
Peptidoglycan recognition proteins (PGRPs) are molecules that recognize peptidoglycan, a large component in bacterial cell walls. In insects, PGRPs activate antimicrobial pathways, and in mammals PGRPs function as antibacterial neutrophil proteins. PGRP-L halts bacterial growth by acting as an alanine amidase, an enzyme that hydrolyzes the amide bond of bacterial peptidoglycan. PGRP-I $\alpha$  and PGRP-I $\beta$  are also members of the PGRP family that help recognize bacteria by binding to peptidoglycan and Gram-positive bacteria, but they do not have amidase activity. PGRP-S participates in intracellular killing of Gram-positive bacteria by stimulating two antimicrobial defense systems, the prophenoloxidase cascade and the antimicrobial peptides through Toll receptors.

**Synonyms:**

PGLYRP; PGRP; PGRP-S; PGRPS; TAG7; TNFSF3L

**Protein Families:**

Druggable Genome, Secreted Protein

**Product images:**

Gel: 8%SDS-PAGE

Lysate: 40  $\mu$ g

Lane 1-3: Hela cells

K562 cells

human fetal liver tissue

Primary antibody: TA351521 (PGLYRP1 Antibody)  
at dilution 1/200

Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution

Exposure time: 2 minutes