

PGLYRP4 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP18508c

Product Information

Application	WB, E
Primary Accession	Q96LB8
Other Accession	NP_065126.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38330
Calculated MW	40620
Antigen Region	242-268

Additional Information

Gene ID	57115
Other Names	Peptidoglycan recognition protein 4, Peptidoglycan recognition protein I-beta, PGLYRP4, PGRPIB, PGRPIB, Peptidoglycan recognition protein intermediate beta, PGLYRP4, PGRPIB
Target/Specificity	This PGLYRP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 242-268 amino acids from the Central region of human PGLYRP4.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PGLYRP4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PGLYRP4
Synonyms	PGRPIB

Function	Pattern receptor that binds to murein peptidoglycans (PGN) of Gram-positive bacteria. Has bactericidal activity towards Gram-positive bacteria. May kill Gram-positive bacteria by interfering with peptidoglycan biosynthesis. Also binds to Gram-negative bacteria, and has bacteriostatic activity towards Gram-negative bacteria. Plays a role in innate immunity.
Cellular Location	Secreted.
Tissue Location	Detected in skin epidermis, eccrine sweat glands and ducts, mucous cells in the submandibular salivary gland, mucous cells in the throat, ciliary body epithelial cells of the eye, small intestine, colon, stomach and in mature epithelial cells of the tongue (at protein level). High expression in skin and esophagus. Expressed also to a much lesser extent in the tonsils and thymus

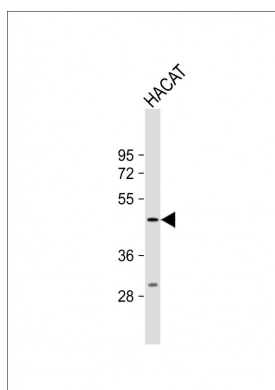
Background

Peptidoglycan recognition proteins, such as PGRPI-beta, are part of the innate immune system and recognize peptidoglycan, a ubiquitous component of bacterial cell walls.

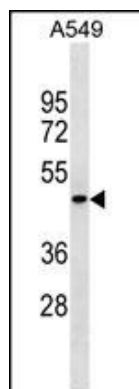
References

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 Cho, S., et al. Proc. Natl. Acad. Sci. U.S.A. 104(21):8761-8766(2007)
 Lu, X., et al. J. Biol. Chem. 281(9):5895-5907(2006)
 Sun, C., et al. Hum. Genet. 119 (1-2), 113-125 (2006) :

Images



Anti-PGLYRP4 Antibody (Center) at 1:1000 dilution + HACAT whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 41 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



PGLYRP4 Antibody (Center) (Cat. #AP18508c) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the PGLYRP4 antibody detected the PGLYRP4 protein (arrow).