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Datasheet for ABIN872537

anti-PGLYRP1 antibody (AA 65-150)

Overview

Quantity:	100 µL
Target:	PGLYRP1
Binding Specificity:	AA 65-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PGLYRP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PGRPS
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Horse, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	PGLYRP1
Alternative Name:	PGRPS (PGLYRP1 Products)

Target Details

Background: Synonyms: Peptidoglycan recognition protein 1, Peptidoglycan recognition protein, PGLYRP, PGLYRP1, PGRP, PGRP S, PGRP-PEN, PGRP-S, TAG7, TNFSF 3L, TNFSF3L, PGRP1_HUMAN.

Background: The primary immune recognition is based on structures common among invading pathogens. Bacterial surface molecules, such as lipopolysaccharide (LPS) and peptidoglycan (PGN), are known to elicit immune reactions ranging from cytokine release to fever. Recently, a family of proteins called peptidoglycan recognition protein (PGRP) has been identified in mouse and human that binds to peptidoglycans expressed on Gram-positive bacteria. Peptidoglycan (PGN) is an essential cell wall component of virtually all bacteria and, thus, it is an excellent target for recognition by the eukaryotic innate immune system. The PGRPs (PGRP-L, PGRPS, PGRP1A, and PGRP-I-beta) define a new family of human pattern recognition molecules. PGRP-L is primarily expressed in the liver. Although liver is not considered a primary immune organ, liver participates in host defenses by producing acute phase proteins (by hepatocytes) in response to infections and by clearing microorganisms from blood. PGRPS is present in neutrophils and inhibits growth of Gram-positive bacteria and, therefore, may function as a neutrophil antibacterial protein. However, PGRPS may have another, as yet unidentified function because in humans it is expressed in the bone marrow 50100 times higher than in neutrophils.

Gene ID: 8993

Pathways: [Activation of Innate immune Response](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months