For Research Use Only

PGLYRP1 Polyclonal antibody

Catalog Number:18046-1-AP

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Basic Information

Catalog Number:
18046-1-AP

Size:
150ul , Concentration: 350 ug/ml by Nanodrop and 280 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG12690

GenBank Accession Number:
BC101845

GeneID (NCBI):
8993

UNIPROT ID:
O75594

Full Name:
peptidoglycan recognition protein 1

Calculated MW:
196 aa, 22 kDa

Observed MW:
25 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : rat brain tissue,

Background Information

Peptidoglycan recognition protein 1 (PGLYRP1, also known as PGRP-S) belongs to a family of evolutionary conserved innate immunity proteins, which in mammals also include PGLYRP2, PGLYRP3, and PGLYRP4 (PMID: 17275309; 20418257). PGLYRP1 is highly expressed in polymorphonuclear leukocytes and to a lower extent in many non-immune cells (PMID: 20418257). It recognizes bacterial peptidoglycan and functions in antibacterial immunity and inflammation (PMID: 20418257). PGLYRP1 has been identified as a ligand for TREM-1 (PMID: 25595774).

Storage

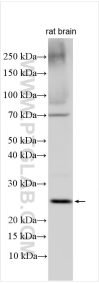
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Rat brain tissue was subjected to SDS PAGE followed by western blot with 18046-1-AP (PGLYRP1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.