

For Research Use Only

PGLYRP1 Polyclonal antibody

Catalog Number: 18046-1-AP



Basic Information

Catalog Number: 18046-1-AP	GenBank Accession Number: BC101845	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 ug/ml by Nanodrop and 280 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8993	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: O75594	
Isotype: IgG	Full Name: peptidoglycan recognition protein 1	
Immunogen Catalog Number: AG12690	Calculated MW: 196 aa, 22 kDa	
	Observed MW: 25 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : rat brain tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human intrahepatic cholangiocarcinoma 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

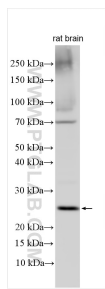
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

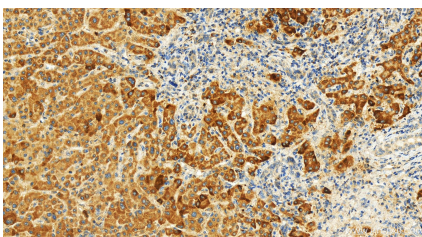
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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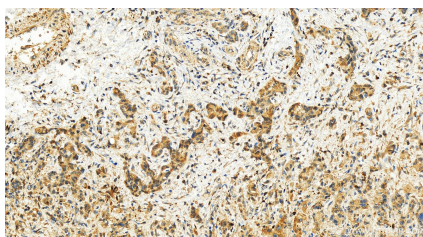
Selected Validation Data



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.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 18046-1-AP (PGLYRP1 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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