

PGLYRP1 Polyclonal antibody

Catalog Number: 18046-1-AP

Basic Information

Catalog Number:

18046-1-AP

Size:

350 ug/ml

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

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : rat brain tissue,

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:

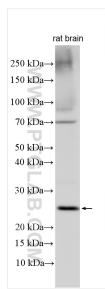
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

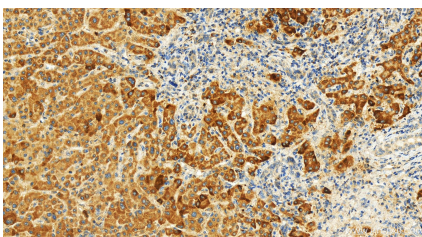
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

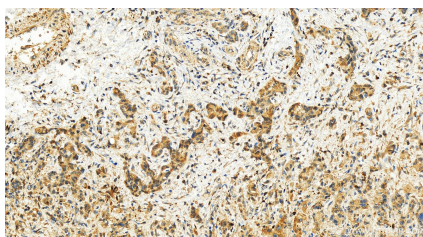
Selected Validation Data



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).



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).