

For Research Use Only

PTPRS Polyclonal antibody

Catalog Number: 31720-1-AP



Basic Information

Catalog Number:

31720-1-AP

Size:

150ul , Concentration: 350 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_002850

GeneID (NCBI):

5802

UNIPROT ID:

Q13332

Full Name:

protein tyrosine phosphatase, receptor type, S

Calculated MW:

217 kDa

Observed MW:

140 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HEK-293 cells, A431 cells, HeLa cells, SH-SY5Y cells, mouse brain tissue

Background Information

Protein tyrosine phosphatase receptor type S (PTPRS, also known as R-PTP-S, PTPSIGMA, and R-PTP-sigma) is an integral membrane protein. It can promote oligomerization by binding to large heparan sulfate proteoglycan structures, and interact with NTRK1/3, PPFIA1/2/3 (PMID: 25385546; 8524829; 9624153). The non-glycosylated molecular weight of PTPRS is 214 kDa, and the extracellular domain can be cleaved near the cell membrane by an endoprotease to generate a glycosylated 140 kDa protein. Variations and mutations of PTPRS are associated with Alzheimer's disease and cholangiocarcinoma (PMID: 38766183; 35991009).

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

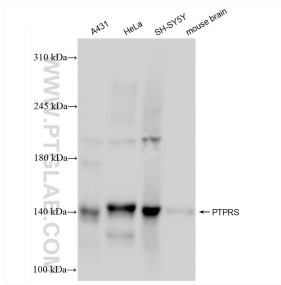
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

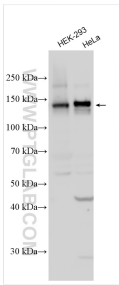
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31720-1-AP (PTPRS antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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