

For Research Use Only

# PTPRT Polyclonal antibody

Catalog Number: 25473-1-AP



## Basic Information

### Catalog Number:

25473-1-AP

### Size:

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

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_007050

### GeneID (NCBI):

11122

### UNIPROT ID:

O14522

### Full Name:

protein tyrosine phosphatase, receptor type, T

### Calculated MW:

164 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

IHC 1:50-1:500

## Applications

### Tested Applications:

IHC, ELISA

### Species Specificity:

human, mouse

**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:

IHC : mouse brain tissue,

## Background Information

PTPRT is a member of the type IIB receptor-type protein tyrosine phosphatase family, linked to signal transduction, cell adhesion and neurite extension. PTPRT plays a role in regulation of synaptic formation and neuronal development. It regulates synaptic function and neuronal development through interactions with neuronal adhesion molecules and the dephosphorylation of synaptic molecules. PTPRT is mainly expressed in nervous system (PMID:19816407, PMID: 25748173).

## 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

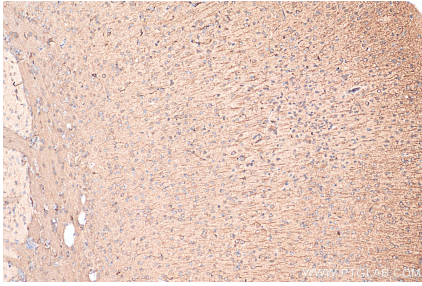
For technical support and original validation data for this product please contact:

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

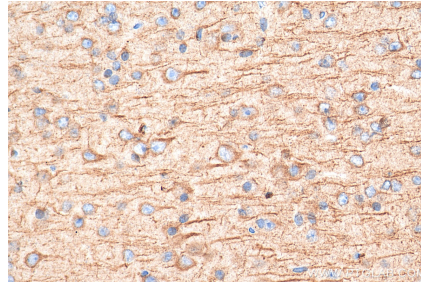
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 25473-1-AP (PTPRT antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 25473-1-AP (PTPRT antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).