

PTPRR Polyclonal antibody

Catalog Number: 17937-1-AP

4 Publications

Basic Information

Catalog Number:

17937-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12145

GenBank Accession Number:

BC110900

GeneID (NCBI):

5801

UNIPROT ID:

Q15256

Full Name:

protein tyrosine phosphatase,
receptor type, R

Calculated MW:

657 aa, 74 kDa

Observed MW:

32 kDa, 47 kDa, 65 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : HeLa cells, mouse brain tissue, COLO 320 cells,
SH-SY5Y cells

Background Information

PTPRR (protein tyrosine phosphatase, receptor type, R) is also named as PCPTP1, PTP-SL, PTPBR7 and belongs to the protein-tyrosine phosphatase family. It sequesters mitogen-activated protein kinases (MAPKs) such as MAPK1, MAPK3 and MAPK14 in the cytoplasm in an inactive form. It has four isoforms that they have molecular weights of 72, 60, 42 and 37 kDa, respectively, and differ in the length of their N-terminal part which result in distinct subcellular localizations. All PTPRR isoforms are found to be short-lived proteins, with half-lives of around 3-5 hours, and are constitutively phosphorylated on one or two of the previously identified protein kinase A and MAP kinase target sites.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------------|-----------|--------------------|-------------|
| Xinrong Li | 26773914 | J Affect Disord | WB |
| Jennifer Munkley | 25592066 | BMC Cancer | WB |
| Jiao Tian | 31024255 | Front Mol Neurosci | WB, IF |

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

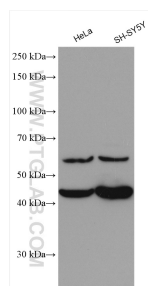
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17937-1-AP (PTPRR antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.