

## Background Information

## Notable Publications

Storage<br>*** 20 ul sizes contain $0.1 \%$ BSA

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.

| 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:
Store at $-20^{\circ} \mathrm{C}$. Stable for one year after shipment.
Storage Buffer:
PBS with $0.02 \%$ sodium azide and $50 \%$ glycerol pH 7.3 .
Aliquoting is unnecessary for $-20^{\circ} \mathrm{C}$ storage

[^0]This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data


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


[^0]:    For technical support and original validation data for this product please contact:
    $\mathrm{T}: 1(888)$ 4PTGLAB (1-888-478-4522) (toll free $\quad \mathrm{E}$ : proteintech@ptglab.com
    in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

