

For Research Use Only

# PTPRH Polyclonal antibody

Catalog Number: 33732-1-AP



## Basic Information

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| <b>Catalog Number:</b><br>33732-1-AP       | <b>GenBank Accession Number:</b><br>NM_207270.2                        | <b>Purification Method:</b><br>Antigen affinity Purification           |
| <b>Source:</b><br>Rabbit                   | <b>GeneID (NCBI):</b><br>545902  | <b>Recommended Dilutions:</b><br>WB: 1:5000-1:50000<br>IHC: 1:50-1:500 |
| <b>Isotype:</b><br>IgG                     | <b>UNIPROT ID:</b><br>E9Q0N2   |  |
| <b>Immunogen Catalog Number:</b><br>EG7386 | <b>Full Name:</b><br>protein tyrosine phosphatase,<br>receptor type, H |  |
|  | <b>Calculated MW:</b><br>107 kDa                                       |  |
|  | <b>Observed MW:</b><br>150-250 kDa                                     |  |

## Applications

### Tested Applications:

WB, IHC, ELISA

### Species Specificity:

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:

WB : mouse colon tissue,

IHC : mouse colon tissue,

## Background Information

PTPRH, also known as SAP-1 (Stomach Cancer-Associated Protein-Tyrosine Phosphatase-1), is a member of the protein tyrosine phosphatase (PTP) family. These enzymes regulate cellular signaling by dephosphorylating tyrosine residues on proteins, counterbalancing kinase activity (PMID: 11278335). PTPRH is classified as a receptor-type PTP, characterized by an extracellular domain, a transmembrane region, and intracellular catalytic domains. In colorectal, gastric, and hepatocellular cancers, PTPRH is often upregulated and linked to poor prognosis (PMID: 12101188). Paradoxically, it may suppress tumorigenesis in other contexts by stabilizing cell adhesion. Overexpression in certain cancers suggests utility as a diagnostic or prognostic marker.

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

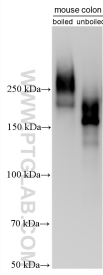
T: 4006900926

E: Proteintech-CN@ptglab.com

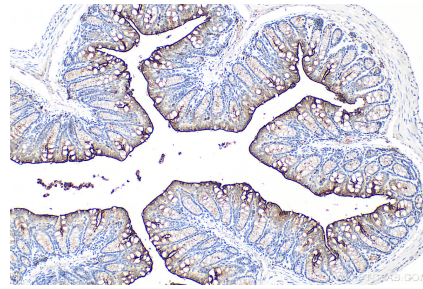
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

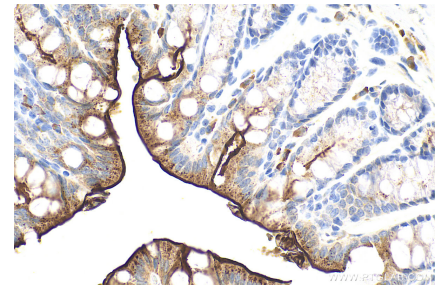
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33732-1-AP (PTPRH antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 33732-1-AP (PTPRH 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 colon tissue slide using 33732-1-AP (PTPRH antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).