

For Research Use Only

Mouse PTPRH Polyclonal antibody, PBS Only

Catalog Number:33732-1-PBS



Basic Information

Catalog Number:

33732-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG7386

GenBank Accession Number:

NM_207270.2

GeneID (NCBI):

545902

UNIPROT ID:

E9Q0N2

Full Name:

protein tyrosine phosphatase, receptor type, H

Calculated MW:

107 kDa

Observed MW:

150-250 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

mouse

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 -80°C.

Storage Buffer:

PBS only, pH7.3

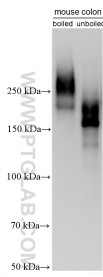
For technical support and original validation data for this product please contact:

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

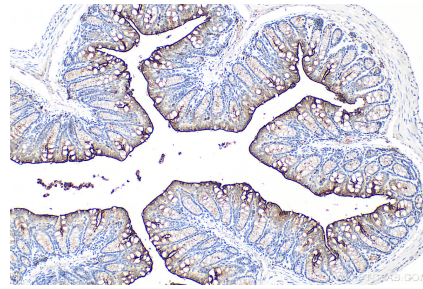
E: proteintech@ptglab.com
W: ptglab.com

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

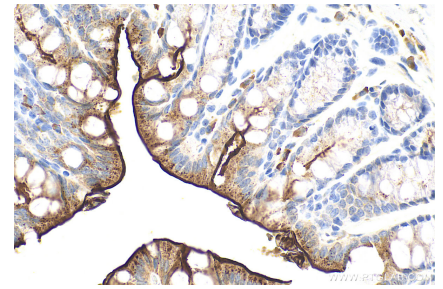
Selected Validation Data



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. This data was developed using the same antibody clone with 33732-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 33732-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 33732-1-PBS in a different storage buffer formulation.