

For Research Use Only

PTPRH Polyclonal antibody

Catalog Number: 33732-1-AP



Basic Information

Catalog Number: 33732-1-AP	GenBank Accession Number: NM_207270.2	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 420 ug/ml by Nanodrop;	GeneID (NCBI): 545902	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:50-1:500
Source: Rabbit	UNIPROT ID: E9Q0N2	
Isotype: IgG	Full Name: protein tyrosine phosphatase, receptor type, H	
Immunogen Catalog Number: EG7386	Calculated MW: 107 kDa	
	Observed MW: 150-250 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: mouse	WB : mouse colon tissue, IHC : mouse colon tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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

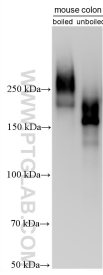
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

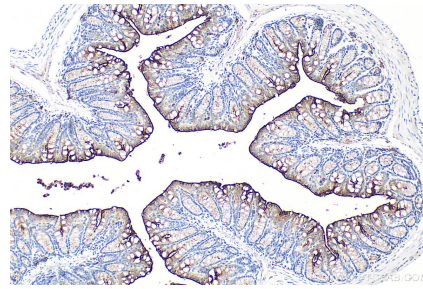
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

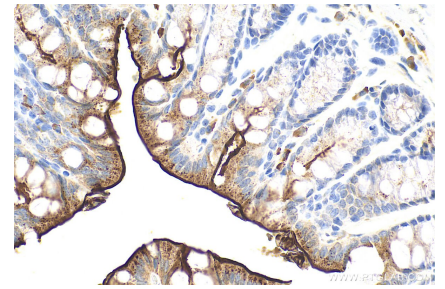
Selected Validation Data



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.



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).