

For Research Use Only

PTPRH Monoclonal antibody, PBS Only

Catalog Number: 68635-1-PBS



Basic Information

Catalog Number: 68635-1-PBS	GenBank Accession Number: BC111716	Purification Method: Protein G purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 5794	CloneNo.: 3C6E8
Source: Mouse	UNIPROT ID: Q9HD43	
Isotype: IgG1	Full Name: protein tyrosine phosphatase, receptor type, H	
Immunogen Catalog Number: AG17351	Calculated MW: 1115 aa, 122 kDa	
	Observed MW: 200-210 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, pig

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. The molecular weight of PTPRH is 122 kDa, it is reported that it can form a dimer with a molecular weight of 210 kDa (PMID:15850787).

Storage

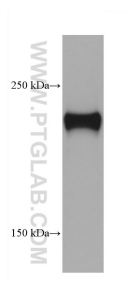
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

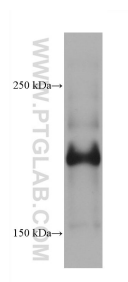
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



pig spleen tissue were subjected to SDS PAGE followed by western blot with 68635-1-Ig (PTPRH antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68635-1-PBS in a different storage buffer formulation.



A431 cells were subjected to SDS PAGE followed by western blot with 68635-1-Ig (PTPRH antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68635-1-PBS in a different storage buffer formulation.