

For Research Use Only

PTPRO Monoclonal antibody, PBS Only



Catalog Number: 67000-1-PBS

Basic Information

Catalog Number: 67000-1-PBS	GenBank Accession Number: BC035960	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5800	CloneNo.: 2F2B4
Source: Mouse	UNIPROT ID: Q16827	
Isotype: IgG2b	Full Name: protein tyrosine phosphatase, receptor type, O	
Immunogen Catalog Number: AG8284	Calculated MW: 138 kDa	
	Observed MW: 160 kDa, 180-220 kDa	

Applications

Tested Applications:
WB, IF, IHC, Indirect ELISA

Species Specificity:
Human, Pig

Background Information

PTPRO(receptor-type tyrosine-protein phosphatase O) is also named as GLEPP1, PTPU2 and belongs to the protein-tyrosine phosphatase family. The protein is a receptor-like membrane protein tyrosine phosphatase expressed at the apical membrane of the podocyte foot processes in the kidney(PMID:21722858). The 1,159-amino acid predicted mature protein contains a large extracellular domain, a single transmembrane domain, and a single intracellular PTPase domain. Defects in PTPRO are the cause of nephrotic syndrome type 6 (NPHS6). In reducing conditions, PTPRO can form a smear from 180 to 220 kDa; In non-reducing conditions, a band appears around 350 kDa, which likely represents the dimeric form of full-length PTPRO (PMID: 19573017).

Storage

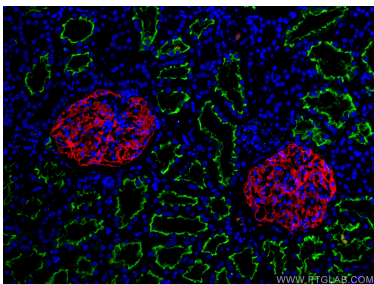
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

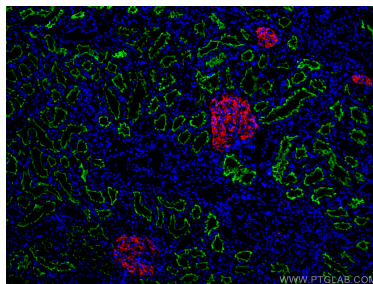
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



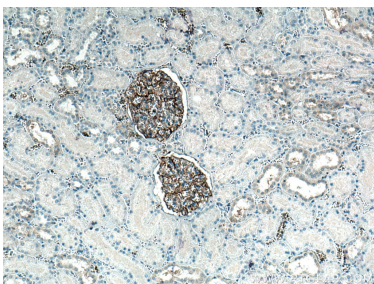
Immunofluorescent analysis of (4% PFA) fixed human kidney tissue using PTPRO antibody (67000-1-Ig, Clone: 2F2B4) at dilution of 1:800 and CoraLite®594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), ACE2 antibody (21115-1-AP, green). This data was developed using the same antibody clone with 67000-1-PBS in a different storage buffer formulation.



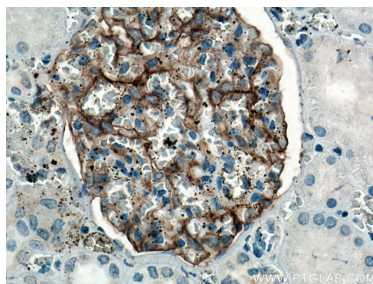
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pig kidney tissue were subjected to SDS PAGE followed by western blot with 67000-1-Ig (PTPRO antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67000-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 67000-1-Ig (PTPRO antibody) at dilution of 1:3000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67000-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 67000-1-Ig (PTPRO antibody) at dilution of 1:3000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67000-1-PBS in a different storage buffer formulation.