

CoraLite®594-conjugated PTPRO Monoclonal antibody

Catalog Number: **CL594-67000**

Basic Information

Catalog Number: CL594-67000	GenBank Accession Number: BC035960	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5800	CloneNo.: 2F2B4
Source: Mouse	UNIPROT ID: Q16827	Recommended Dilutions: IF-P 1:50-1:500
Isotype: IgG2b	Full Name: protein tyrosine phosphatase, receptor type, O	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG8284	Calculated MW: 138 kDa	
	Observed MW: 160 kDa, 180-220 kDa	

Applications

Tested Applications: IF	Positive Controls: IF-P : human kidney tissue,
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).

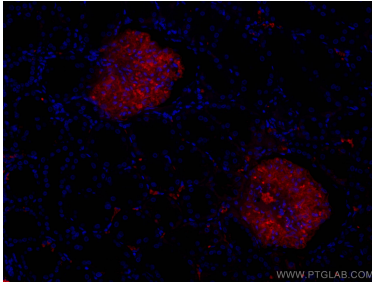
Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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)
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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 CoraLite® 594 PTPRO antibody (CL594-67000, Clone: 2F2B4) at dilution of 1:100.