Nur für Forschungszwecke

PTPRO Monoklonaler Antikörper

Katalog-Nr.:67000-1-Ig 1 Publikationen

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Allgemeine Informationen

Katalog-Nr.:
67000-1-Ig

Größe:
150ul , Konzentration: 2004 μg/ml von Nanodrop und 1000 μg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Maus

Isotyp:
IgG2b

Immunogen Katalognummer:
AG8284

GenBank-Zugangsnummer:
BC035960

GeneID (NCBI):
5800

Vollständiger Name:
protein tyrosine phosphatase, receptor type, O

Berechneté Masse:
138 kDa

Beobachteté Masse:
160 kDa, 180-220 kDa

Reinigungsmethode:
Protein-A-Reinigung

CloneNo.:
2F2B4

Empfohlene Verdünnungen:
WB 1:500-1:2000
IHC 1:1000-1:4000
IF 1:400-1:1600

Anwendungen

Geprüfte Anwendungen:
IF, IHC, WB,ELISA

In Publikationen genannte Anwendungen:
WB

Getestete Reaktivität:
Hausschwein, Human

Zitierte Arten:
Human

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : Hausschwein-Nierengewebe,

IHC : humanes Nierengewebe,

IF : humanes Nierengewebe,

Hintergrundinformationen

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 appeares around 350 kDa, which likely represents the dimeric form of full-length PTPRO (PMID: 19573017).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Shushan Yan	31827380	Mediators Inflamm	WB

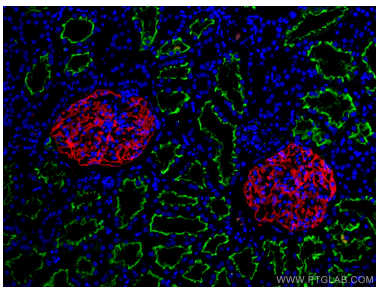
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern.
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

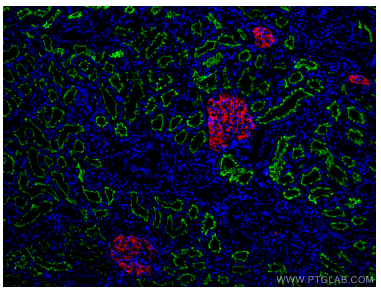
*** 20ul-Größen enthalten 0.1% BSA

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

Ausgewählte Validierungsdaten



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).



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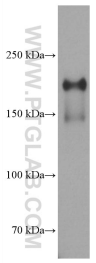
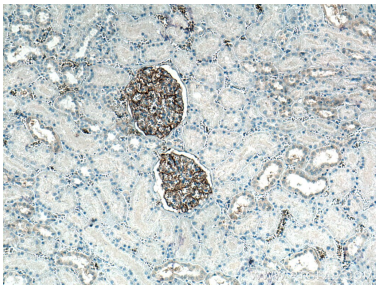
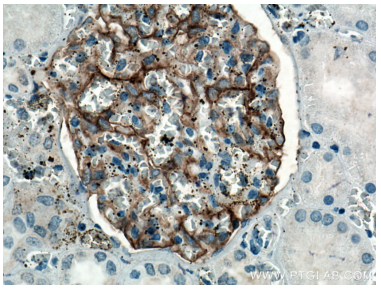


pig kidney tissue were subjected to SDS PAGE followed by western blot with 67000-1-Ig (PTPRO antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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).



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).