

For Research Use Only

PTPRO Polyclonal antibody

Catalog Number: 12161-1-AP

12 Publications



Basic Information

Catalog Number:

12161-1-AP

Size:

150ul, Concentration: 260 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2802

GenBank Accession Number:

BC035960

GeneID (NCBI):

5800

UNIPROT ID:

Q16827

Full Name:

protein tyrosine phosphatase, receptor type, O

Calculated MW:

138 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Cited Applications:

WB, IHC, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Zengfang Wang	30443949	J Cell Physiol	WB
Caihong Liang	28578349	Cell Physiol Biochem	WB
Weixing Dai	35904817	Cancer Commun (Lond)	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

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:

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