



PTPRQ mouse mAb

Catalog No	YP-mAb-11182
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	PTPRQ
Protein Name	PTPRQ
Immunogen	Synthesized peptide derived from human PTPRQ AA range: 1729-1779
Specificity	This antibody detects endogenous levels of PTPRQ at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	Membrane ; Single-pass type I membrane protein .
Tissue Specificity	In developing kidney, it localizes to the basal membrane of podocytes, beginning when podocyte progenitors can first be identified in the embryonic kidney (at protein level). Expressed in lung and kidney.
Function	catalytic activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate.,function:Phosphatidylinositol phosphatase required for auditory function. May act by regulating the level of phosphatidylinositol 4,5-bisphosphate (PIP2) level in the basal region of hair bundles. Can dephosphorylate a broad range of phosphatidylinositol phosphates, including phosphatidylinositol 3,4,5-trisphosphate and most phosphatidylinositol monophosphates and diphosphates. Phosphate can be hydrolyzed from the D3 and D5 positions in the inositol ring. Has low tyrosine-protein phosphatase activity; however, the relevance of such activity in vivo is unclear.,similarity:Belongs to the protein-tyrosine phosphatase family. Receptor class 2A subfamily.,similarity:Contains 1 tyrosine-protein phosphatase domain.,similarity:Contains 18 fibronectin type-III domains.,tissue specificity:In developing kidney, it

**Background**

This locus encodes a member of the type III receptor-like protein-tyrosine phosphatase family. The encoded protein catalyzes the dephosphorylation of phosphotyrosine and phosphatidylinositol and plays roles in cellular proliferation and differentiation. Mutations at this locus have been linked to autosomal recessive deafness. [provided by RefSeq, Mar 2014],

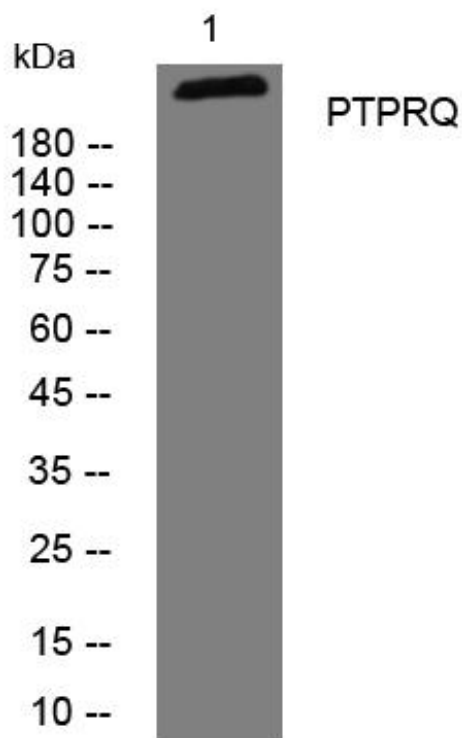
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using PTPRQ mouse mAb