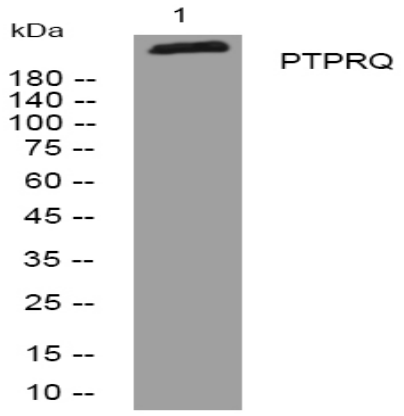
Best Tools for immunology Research

PTPRQ rabbit pAb

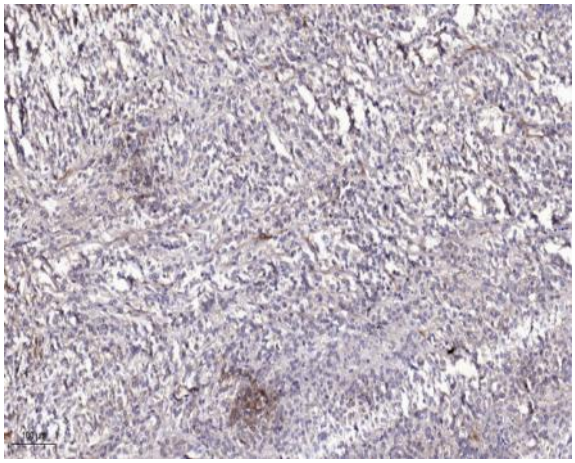
Catalog No :	YT6547
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC
Target :	PTPRQ
Gene Name :	PTPRQ
Protein Name :	PTPRQ
Human Swiss Prot No :	Q9UMZ3
Mouse Gene Id :	237523
Mouse Swiss Prot No :	P0C5E4
Rat Gene Id :	360417
Rat Swiss Prot No :	O88488
Immunogen :	Synthesized peptide derived from human 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 :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	257kD
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],
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
Subcellular Location :	Membrane ; Single-pass type I membrane protein .
Expression :	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.
Sort :	13161
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



Western blot analysis of lysates from KB cells, primary antibody was diluted at 1:1000, 4°over night



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).