



PTPRK Polyclonal Antibody

Catalog No	BYab-06067
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	PTPRK PTPK
Protein Name	Receptor-type tyrosine-protein phosphatase kappa (Protein-tyrosine phosphatase kappa) (R-PTP-kappa) (EC 3.1.3.48)
Immunogen	Synthesized peptide derived from human protein . at AA range: 180-260
Specificity	PTPRK Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	158kD
Cell Pathway	Cell junction, adherens junction. Cell membrane; Single-pass type I membrane protein.
Tissue Specificity	High levels in lung, brain and colon; less in liver, pancreas, stomach, kidney, placenta and mammary carcinoma.
Function	catalytic activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate.,function:Regulation of processes involving cell contact and adhesion such as growth control, tumor invasion, and metastasis. Forms complexes with beta-catenin and gamma-catenin/plakoglobin. Beta-catenin may be a substrate for the catalytic activity of PTP-kappa.,PTM:This protein undergoes proteolytic processing.,similarity:Belongs to the protein-tyrosine phosphatase family. Receptor class 2B subfamily.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 1 MAM domain.,similarity:Contains 2 tyrosine-protein phosphatase domains.,similarity:Contains 4 fibronectin type-III domains.,tissue specificity:High levels in lung, brain and colon; less in liver, pancreas, stomach, kidney, placenta

Nanjing BYabscience technology Co.,Ltd



and mammary carcinoma.,

Background

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and two tandem catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains a meprin-A5 antigen-PTP mu (MAM) domain, an Ig-like domain and four fibronectin type III-like repeats. This PTP was shown to mediate homophilic intercellular interaction, possibly through the interaction with beta- and gamma-catenin at adherens junctions. Expression of this gene was found to be stimulated by TGF-beta 1, which may be important for the inhibition of keratinocyte proliferation. [provided by RefSeq, Jul 2008],

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

Nanjing BYabscience technology Co.,Ltd

网址: www.njbybio.com

官方热线: 025-5229-8998

监督电话: 15950492658