



PTPRD Monoclonal Antibody

Catalog No	YP-mAb-06065
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	PTPRD
Protein Name	Receptor-type tyrosine-protein phosphatase delta (Protein-tyrosine phosphatase delta) (R-PTP-delta) (EC 3.1.3.48)
Immunogen	Synthesized peptide derived from human protein . at AA range: 510-590
Specificity	PTPRD Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 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	210kD
Cell Pathway	Membrane; Single-pass type I membrane protein.
Tissue Specificity	Brain,PCR rescued clones,Placenta,
Function	alternative products:Additional isoforms seem to exist,catalytic activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate.,PTM:A cleavage occurs, separating the extracellular domain from the transmembrane segment. This process called 'ectodomain shedding' is thought to be involved in receptor desensitization, signal transduction and/or membrane localization.,similarity:Belongs to the protein-tyrosine phosphatase family. Receptor class 2A subfamily.,similarity:Contains 2 tyrosine-protein phosphatase domains.,similarity:Contains 3 Ig-like C2-type (immunoglobulin-like) domains.,similarity:Contains 8 fibronectin type-III domains.,subunit:Interacts with PPFIA1, PPFIA2 and PPFIA3.,
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 contains an extracellular region, a single transmembrane segment and two tandem intracytoplasmic catalytic



domains, and thus represents a receptor-type PTP. The extracellular region of this protein is composed of three Ig-like and eight fibronectin type III-like domains. Studies of the similar genes in chicken and fly suggest the role of this PTP is in promoting neurite growth, and regulating neurons axon guidance. Multiple alternatively spliced transcript variants of this gene have been reported. A related pseudogene has been identified on chromosome 5. [provided by RefSeq, Jan 2010],

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