



PTPRG Monoclonal Antibody

Catalog No	YP-mAb-06858
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	PTPRG PTPG
Protein Name	Receptor-type tyrosine-protein phosphatase gamma (Protein-tyrosine phosphatase gamma) (R-PTP-gamma) (EC 3.1.3.48)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PTPRG 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	158kD
Cell Pathway	Membrane ; Single-pass type I membrane protein .
Tissue Specificity	Found in a variety of tissues.
Function	catalytic activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate.,similarity:Belongs to the protein-tyrosine phosphatase family. Receptor class 5 subfamily.,similarity:Contains 1 alpha-carbonic anhydrase domain.,similarity:Contains 1 fibronectin type-III domain.,similarity:Contains 2 tyrosine-protein phosphatase domains.,tissue specificity:Found in a variety of tissues.,
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 intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. The extracellular region of this PTP contains a carbonic anhydrase-like (CAH) domain, which is also found in the extracellular region of PTPRBETA/ZETA. This gene is located in a chromosomal region that is frequently deleted in renal cell carcinoma and lung carcinoma, thus



is thought to be a candidate tumor suppressor gene. [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