IP Receptor Monoclonal Antibody

Catalog No	YP-mAb-13383
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	PTGIR
Protein Name	Prostacyclin receptor
Immunogen	The antiserum was produced against synthesized peptide derived from human Prostacyclin Receptor. AA range:198-247
Specificity	IP Receptor Monoclonal Antibody detects endogenous levels of IP Receptor protein.
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	PTGIR; PRIPR; Prostacyclin receptor; Prostaglandin I2 receptor; PGI receptor; PGI2 receptor; Prostanoid IP receptor
Observed Band	45kD
Cell Pathway	Cell membrane; Multi-pass membrane protein.
Tissue Specificity	Lung,Pancreas,Placenta,
Function	function:Receptor for prostacyclin (prostaglandin I2 or PGI2). The activity of this receptor is mediated by G(s) proteins which activate adenylate cyclase.,PTM:Isoprenylation does not influence ligand binding but is required for efficient coupling to the effectors adenylyl cyclase and phospholipase C.,PTM:Palmitoylation of either Cys-308 or Cys-311 is sufficient to maintain functional coupling to G(s) and signaling.,similarity:Belongs to the G-protein coupled receptor 1 family.,
Background	The protein encoded by this gene is a member of the G-protein coupled receptor family 1 and has been shown to be a receptor for prostacyclin. Prostacyclin, the major product of cyclooxygenase in macrovascular endothelium, elicits a potent vasodilation and inhibition of platelet aggregation through binding to this receptor. [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

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Prostacyclin
Receptor--

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(kD)

Western Blot analysis of various cells using IP Receptor Monoclonal Antibody