

Rabbit anti-Human Prostacyclin Receptor Polyclonal Antibody | anti-PTGIR antibody

Prostacyclin Receptor Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325744	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

Prostacyclin Receptor; Polyclonal Antibody; Prostacyclin Receptor Antibody; IP; PGI receptor; PGI2 receptor; PI2R_HUMAN; PRIPR; Prostacyclin receptor; Prostaglandin I2 (prostacyclin) receptor (IP); Prostaglandin I2 receptor; Prostanoid IP receptor; Ptgir; anti-PTGIR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Prostacyclin Receptor antibody detects endogenous levels of total Prostacyclin Receptor
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	386
Applicable Applications for anti-PTGIR antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Plasma Membrane
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from K562 cells, using Prostacyclin Receptor antibody.



IF (Immunofluorescence)

AAA325744 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PTGIR antibody	Function: Receptor for prostacyclin (prostaglandin I2 or PGI2). The activity of this receptor is mediated by G(s) proteins which activate adenylate cyclase. Subunit Structure: Interacts (non-isoprenylated C-terminus) with PDZK1. Post-translational Modifications: Palmitoylation of either Cys-308 or Cys-311 is sufficient to maintain functional coupling to G(s) and signaling.Isoprenylation does not influence ligand binding but is required for efficient coupling to the effectors adenyl cyclase and phospholipase C. Similarity: Belongs to the G-protein coupled receptor 1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506263
NCBI GeneID	5739
NCBI Accession #	NP_000951.1
NCBI GenBank Nucleotide #	NM_000960.3
UniProt Accession #	P43119
Molecular Weight	Observed: 45 kD Predicted: 41 kDa
NCBI Official Full Name	prostacyclin receptor
NCBI Official Synonym Full Names	prostaglandin I2 receptor
NCBI Official Symbol	PTGIR
NCBI Official Synonym Symbols	IP; PRIPR
NCBI Protein Information	prostacyclin receptor
UniProt Protein Name	Prostacyclin receptor
UniProt Gene Name	PTGIR
UniProt Synonym Gene Names	PRIPR; PGI receptor; PGI2 receptor

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.