Product Name: IP Receptor Rabbit Polyclonal Antibody
Catalog #: APRab12694

Summary

Production Name	IP Receptor Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IF,WB,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	PTGIR
Alternative Names	PTGIR; PRIPR; Prostacyclin receptor; Prostaglandin I2 receptor; PGI receptor; PGI2 receptor; Prostanoid IP receptor
Gene ID	5739.0
SwissProt ID	P43119.The antiserum was produced against synthesized peptide derived from human Prostacyclin Receptor. AA range:198-247

Application

Dilution Ratio	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
Molecular Weight	45kD

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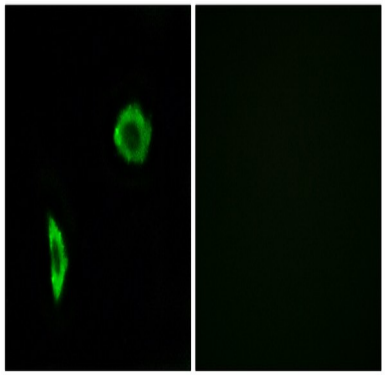
Background

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],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.,

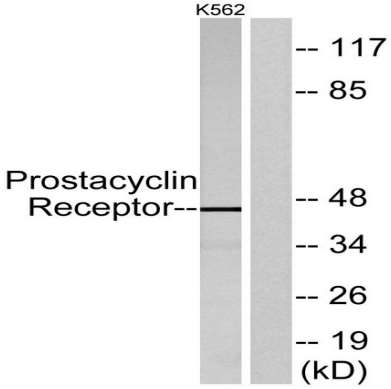
Research Area

Neuroactive ligand-receptor interaction;Vascular smooth muscle contraction;

Image Data



Immunofluorescence analysis of LOVO cells, using Prostacyclin Receptor Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from K562 cells, using Prostacyclin Receptor Antibody. The lane on the right is blocked with the synthesized peptide.

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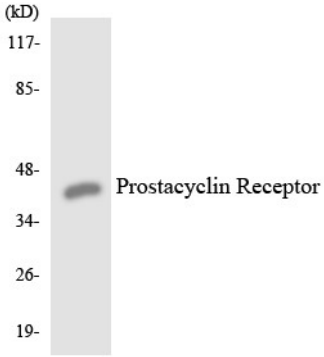

Western blot analysis of the lysates from HUVECcells using Prostacyclin Receptor antibody.

Note

For research use only.