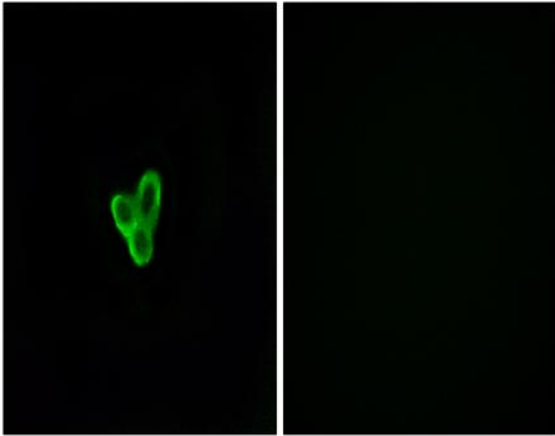


PAF-R Polyclonal Antibody

Catalog No :	YT3566
Reactivity :	Human;Mouse;Rat
Applications :	IF;ELISA
Target :	PAF-R
Fields :	>>Calcium signaling pathway;>>Neuroactive ligand-receptor interaction;>>Staphylococcus aureus infection
Gene Name :	PTAFR
Protein Name :	Platelet-activating factor receptor
Human Gene Id :	5724
Human Swiss Prot No :	P25105
Mouse Gene Id :	19204
Mouse Swiss Prot No :	Q62035
Rat Gene Id :	58949
Rat Swiss Prot No :	P46002
Immunogen :	The antiserum was produced against synthesized peptide derived from human PTAFR. AA range:194-243
Specificity :	PAF-R Polyclonal Antibody detects endogenous levels of PAF-R protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	39kD
Cell Pathway :	Calcium;Neuroactive ligand-receptor interaction;
Background :	<p>This gene encodes a seven-transmembrane G-protein-coupled receptor for platelet-activating factor (PAF) that localizes to lipid rafts and/or caveolae in the cell membrane. PAF (1-0-alkyl-2-acetyl-sn-glycero-3-phosphorylcholine) is a phospholipid that plays a significant role in oncogenic transformation, tumor growth, angiogenesis, metastasis, and pro-inflammatory processes. Binding of PAF to the PAF-receptor (PAFR) stimulates numerous signal transduction pathways including phospholipase C, D, A2, mitogen-activated protein kinases (MAPKs), and the phosphatidylinositol-calcium second messenger system. Following PAFR activation, cells become rapidly desensitized and this refractory state is dependent on PAFR phosphorylation, internalization, and down-regulation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011],</p>
Function :	<p>function:Receptor for platelet activating factor, a chemotactic phospholipid mediator that possesses potent inflammatory, smooth-muscle contractile and hypotensive activity. Seems to mediate its action via a G protein that activates a phosphatidylinositol-calcium second messenger system.,induction:By granulocyte macrophage colony-stimulating factor (GM-CSF), interleukin-5 and n-butyrate.,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Expressed in the placenta, lung, left and right heart ventricles, heart atrium, leukocytes and differentiated HL-60 granulocytes.,</p>
Subcellular Location :	Cell membrane ; Multi-pass membrane protein .
Expression :	Expressed in the placenta, lung, left and right heart ventricles, heart atrium, leukocytes and differentiated HL-60 granulocytes.

Products Images



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