

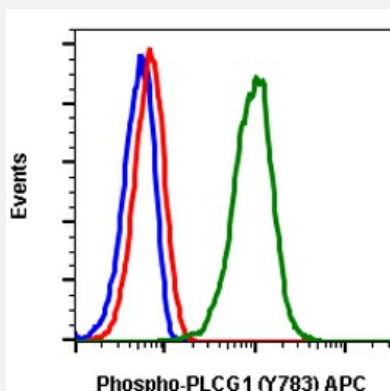
RecomAb™

PLCG1 recombinant monoclonal antibody, clone PLCG1Y783-C4 (APC)

Catalog # RAB02973

Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of Hela cells secondary antibody only negative control (blue) or treated with imatinib (red) or with pervanadate (green) using Phospho-PLCγ1 (Tyr783) APC-conjugated antibody PLCg1Y783-C4.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PLCG1.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Tyr783 of human phospho PLCg1.
Reactivity	Human
Form	Liquid
Conjugation	APC
Purification	Protein A purification, Protein G purification
Isotype	IgG

Recommend Usage	Flow Cytometry The optimal working dilution should be determined by the end user.
Storage Buffer	1X PBS, 0.09% Sodium azide, 0.2% BSA
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

Flow cytometric analysis of Hela cells secondary antibody only negative control (blue) or treated with imatinib (red) or with pervanadate (green) using Phospho-PLCγ1 (Tyr783) APC-conjugated antibody PLCγ1Y783-C4.

Gene Info — PLCG1

Entrez GeneID	5335
Protein Accession#	P19174
Gene Name	PLCG1
Gene Alias	PLC-II, PLC1, PLC148, PLCgamma1
Gene Description	phospholipase C, gamma 1
Omim ID	172420
Gene Ontology	Hyperlink

Gene Summary	The protein encoded by this gene catalyzes the formation of inositol 1,4,5-trisphosphate and diacylglycerol from phosphatidylinositol 4,5-bisphosphate. This reaction uses calcium as a cofactor and plays an important role in the intracellular transduction of receptor-mediated tyrosine kinase activators. For example, when activated by SRC, the encoded protein causes the Ras guanine nucleotide exchange factor RasGRP1 to translocate to the Golgi, where it activates Ras. Also, this protein has been shown to be a major substrate for heparin-binding growth factor 1 (acidic fibroblast growth factor)-activated tyrosine kinase. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
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Other Designations	1-phosphatidyl-D-myo-inositol-4,5-bisphosphate 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma 1 OTTHUMP00000031787 OTTHUMP00000178982 PLC-gamma-1 inositol trisphosphohydrolase monophosphatidylinositol phosphodiesterase phosphatidylinositol
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Pathway

- [Calcium signaling pathway](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [ErbB signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Glioma](#)
- [Inositol phosphate metabolism](#)
- [Leukocyte transendothelial migration](#)
- [Metabolic pathways](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Neurotrophin signaling pathway](#)
- [Non-small cell lung cancer](#)
- [Pathways in cancer](#)
- [Phosphatidylinositol signaling system](#)
- [T cell receptor signaling pathway](#)
- [VEGF signaling pathway](#)
- [Vibrio cholerae infection](#)

Disease

- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Kidney Failure](#)
- [Mental Disorders](#)
- [Multiple Sclerosis](#)