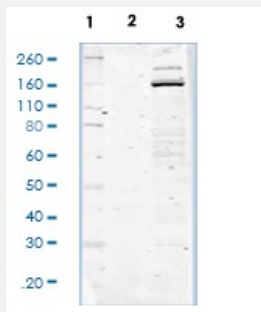


RecomAb™

PLCG2 recombinant monoclonal antibody, clone PLCG2Y759-G3

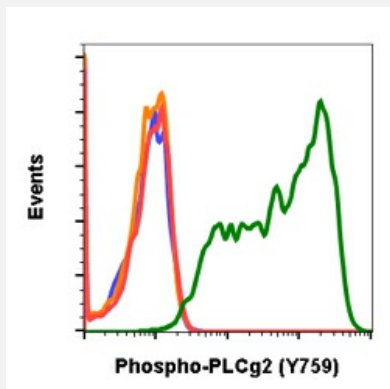
Catalog # RAB02782 Size 200 uL

Applications



Western Blot

Western blot analysis of Ramos cell extract untreated or treated with pervanadate using Phospho-PLCγ2 (Tyr759) antibody PLCG2Y759-G3.



Flow Cytometry

Flow cytometric analysis of NIH3T3 cells secondary antibody only negative control (blue) or 0.1 ug/mL of isotype control (orange) or treated with imatinib (red) or with pervanadate (green) using Phospho-PLCγ2 (Tyr759) antibody PLCG2Y759-G3 at 0.1 ug/mL.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PLCG2.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Tyr759 of human phospho PLCg2.
Reactivity	Human
Form	Liquid

Purification	Protein A+G
Isotype	Rabbit IgG1k
Recommend Usage	Flow Cytometry Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	1X PBS, 0.02% Sodium azide, 50% Glycerol, 0.1% BSA
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Ramos cell extract untreated or treated with pervanadate using Phospho-PLC γ 2 (Tyr759) antibody PLCG2Y759-G3.

- Flow Cytometry

Flow cytometric analysis of NIH3T3 cells secondary antibody only negative control (blue) or 0.1 ug/mL of isotype control (orange) or treated with imatinib (red) or with pervanadate (green) using Phospho-PLC γ 2 (Tyr759) antibody PLCG2Y759-G3 at 0.1 ug/mL.

Gene Info — PLCG2

Entrez GeneID	5336
Protein Accession#	P16885
Gene Name	PLCG2
Gene Alias	-
Gene Description	phospholipase C, gamma 2 (phosphatidylinositol-specific)
Omim ID	600220
Gene Ontology	Hyperlink

Gene Summary

Enzymes of the phospholipase C family catalyze the hydrolysis of phospholipids to yield diacylglycerols and water-soluble phosphorylated derivatives of the lipid head groups. A number of these enzymes have specificity for phosphoinositides. Of the phosphoinositide-specific phospholipase C enzymes, C-beta is regulated by heterotrimeric G protein-coupled receptors, while the closely related C-gamma-1 (PLCG1; MIM 172420) and C-gamma-2 enzymes are controlled by receptor tyrosine kinases. The C-gamma-1 and C-gamma-2 enzymes are composed of phospholipase domains that flank regions of homology to noncatalytic domains of the SRC oncogene product, SH2 and SH3.[supplied by OMIM]

Other Designations

phospholipase C gamma 2|phospholipase C, gamma 2|phospholipase C, gamma 2 (phosphatidylinositol-specific)

Pathway

- [B cell receptor signaling 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](#)
- [VEGF signaling pathway](#)
- [Vibrio cholerae infection](#)

Disease

- [Bipolar Disorder](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Mental Disorders](#)
- [Ovarian cancer](#)
- [Tobacco Use Disorder](#)