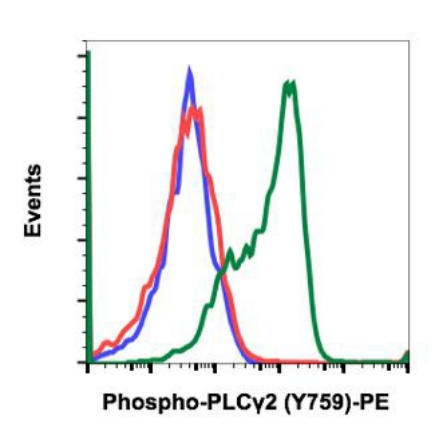
PLCG2 (phospho Y759) monoclonal antibody, clone G3 (PE)

Catalog # MAB19036 Size 10 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of Ramos cells unstained treated with imatinib (blue) or stained and treated with imatinib (red) or treated with pervanadate (green) using PLCG2 (phospho Y759) monoclonal antibody (PE).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human PLCG2.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Y759 of human PLCG2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Conjugation	PE
Purification	Protein A/G Purification
Isotype	IgG1k
Recommend Usage	Flow Cytometry (5 uL/10^6 cells or 0.05 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.2% BSA, 0.09% sodium azide).

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Storage Instruction	Store at 2-8°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Flow Cytometry

  Flow cytometric analysis of Ramos cells unstained treated with imatinib (blue) or stained and treated with imatinib (red) or treated with pervanadate (green) using PLCG2 (phospho Y759) monoclonal antibody (PE).

Gene Info — PLCG2

Entrez GeneID	5336
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 diacylglyc erols and water-soluble phosphorylated derivatives of the lipid head groups. A number of these en zymes have specificity for phosphoinositides. Of the phosphoinositide-specific phospholipase C enzymes, C-beta is regulated by heterotrimeric G protein-coupled receptors, while the closely rela ted C-gamma-1 (PLCG1; MIM 172420) and C-gamma-2 enzymes are controlled by receptor tyro sine kinases. The C-gamma-1 and C-gamma-2 enzymes are composed of phospholipase domai ns 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 (phosphatid ylyinositol-specific)

Pathway

- B cell receptor signaling pathway
- Calcium signaling pathway
- Epithelial cell signaling in Helicobacter pylori infection

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- 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

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