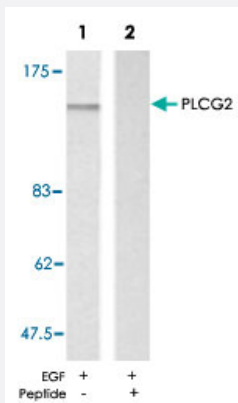


PLCG2 polyclonal antibody

Catalog # PAB26740 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of exretracts from A-431 cells untreated or treated with EGF (200 ng/mL, 5 min) using PLCG2 polyclonal antibody (Cat # PAB26740).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PLCG2.
Immunogen	A synthetic peptide corresponding to residues surrounding Y753 of human PLCG2.
Sequence	S-L-Yp-D-V
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity chromatography
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg ²⁺ and Ca ²⁺), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)

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 (Cell lysate)

Western blot analysis of exretracts from A-431 cells untreated or treated with EGF (200 ng/mL, 5 min) using PLCG2 polyclonal antibody (Cat # PAB26740).

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](#)