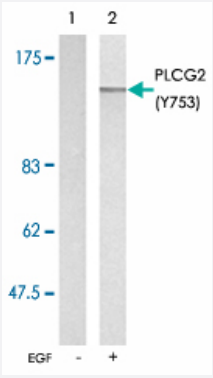
PLCG2 (phospho Y753) polyclonal antibody

Catalog # PAB25823 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from A431 cells untreated or treated with EGF (200 ng/mL 5 min) using PLCG2 (phospho Y753) polyclonal antibody (Cat # PAB25823).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of PLCG2.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding Y753 of human PLCG2.
Sequence	S-L-Yp-D-V
Host	Rabbit
Theoretical MW (kDa)	150
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 shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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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 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
- 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