

DNAXPab

Hard-to-Find
Antibody

PLCG2 DNAXPab

Catalog # H00005336-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human PLCG2 DNA using DNAX™ Immune technology.

Technology [DNAX™ Immune](#)

Immunogen Full-length human DNA

Sequence

MSTTVNVDSLAEYEKSIKRALELGTVMTVFSFRKSTPERRTVQVIMETRQVAWSKTADKIEGFLD
 IMEIKEIRPGKNSKDFERAKAVRQKEDCCFTILYGTQFVLSTLSLAADSKEDAVNWLSGLKILHQEA
 MNASTPTIIESWLRKQIYSVDQTRRNSISLRELKTLPLINFKVSSAKFLDKDFVEIGAHKDELSFEQF
 HLFYKKLMFEQQKSILDEFKKDSSVFILGNTDRPDASAVYLRDFQRFLIHEQQEHWAQDLNKNVRE
 RMTKFIDDTMRETAEPFLFVDEFLTYLFSRENSIWDEKYDAVDMQDMNPLSHYWISSSHNTYL TG
 DQLRSESSPEAYIRCLRMGCRCIELDCWDGPDGKPVYHGWTRTTKIKFDDVVQAIKDHAFTSSF
 PVILSIEEHCSVEQQRHMAKAFKEVFGDLLLTKPTEASADQLPSPSQLREKIIKHKKLGPRGDVDV
 NMEDKKDEHKQQGELYMWDSIDQKWTRHYCAIADAKLSFSDDIEQTMEEEVPQDIPPTLHFGE
 KWFHKKVEKRTSAEKLLQEYCMETGGKDGTFVLVRESETFPNDYLSFWRSGRVQHCRIRSTMEG
 GTLKYYLTDNLTFSSYALIQHYRETHLRCAEFELRLTDPVPNPNPHESKPWYYDSL SRGEAEDML
 MRIPRDGAFLIRKREGSDSYAITFRARGKVKHCRINRDGRHFVLGTSAYFESLVELVSYYEKHSLYR
 KMRLRYPVTPELLERYNMERDINSLYDVSRMYVDPSEINPSMPQRTVKALYDYAKRSDLSFCR
 GALIHNVSKPEGGWKGDYGTRIQQYFSPNYVEDISTADFEELKQIIEDNPLGSLCRGILDNTYN
 VVKAPQGKNQKSFVFILEPKQQGYPPVEFATDRVEELFEWFQSIREITWKIDTKENNMKYWEKNQ
 SIAELSDLVYCKPTSKTKDNLENPDFREIRSFVETKADSIIRQKVPDLLKYNQKGLTRVYPKGQRV
 DSSNYDPFRLWLCGSQMVALNFQTADKYMQMNHALFSLNGRTGYVLQPESMRTEKYDPMPPES
 QRKILMTLTVKVLGARHLPKLGRSIACPFVEVEICGAEYDNNKFKTTVVNDNGLSPWAPTQEKVTF
 EYDPNLAFLRFVVEEDMFSDPNFLAHATYPIKAVKSGFRSVPLKNGYSEDIELASLLVFCEMRP
 VLESEEELYSSCRQLRRRQEELNNQLFLYDTHQNLNRNANRDALVKEFSVNENQLQLYQEKCNKR
 LREKRVSNKSFYS

Host Rabbit

Reactivity Human

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — PLCG2

Entrez GeneID [5336](#)**GeneBank Accession#** [BC007565.1](#)**Protein Accession#** [AAH07565.1](#)**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](#)