

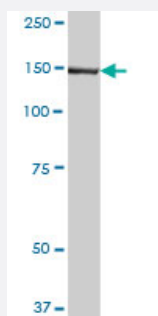
MaxPab®

PLCG2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00005336-B01P

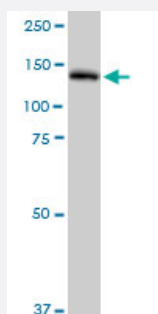
Size 50 ug

Applications



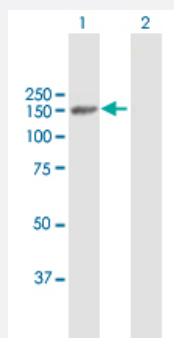
Western Blot (Tissue lysate)

PLCG2 MaxPab polyclonal antibody. Western Blot analysis of PLCG2 expression in human liver.



Western Blot (Cell lysate)

PLCG2 MaxPab polyclonal antibody. Western Blot analysis of PLCG2 expression in K-562.

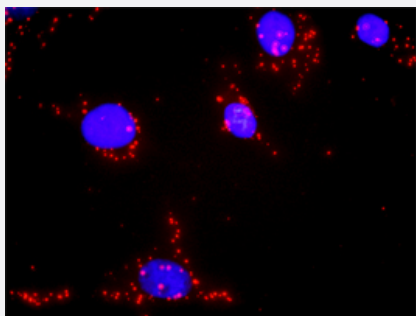


Western Blot (Transfected lysate)

Western Blot analysis of PLCG2 expression in transfected 293T cell line ([H00005336-T01](#)) by PLCG2 MaxPab polyclonal antibody.

Lane 1: PLCG2 transfected lysate(139.15 KDa).

Lane 2: Non-transfected lysate.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between PIK3R1 and PLCG2. HeLa cells were stained with anti-PIK3R1 rabbit purified polyclonal 1:1200 and anti-PLCG2 mouse purified polyclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human PLCG2 protein.
Immunogen	PLCG2 (AAH07565.1, 1 a.a. ~ 1265 a.a) full-length human protein.
Sequence	MSTTVNVDSLAEYEKSIKRALELGTVMTVFSFRKSTPERRTVQVIMETRQVAWSKTADKIEGFLD IMEIKEIRPGKNSKDFERAKAVRQKEDCCFTILYGTQFVLSTLSLAADSKEDAVNWLSGLKILHQEA MNASTPTIIESWLRKQIYSVDQTRNSISLRELKTLPLINFKVSSAKFLKDKFVEIGAHKDELSFEQF HLFYKKLMFEQQKSILDEFKKDSSVFILGNTDRPDASAVYLRDFQRFLIHEQQEHWQAQDLNKNVRE RMTKFIDDTMRETAEPFLFVDEFLTLYFSRENSIWDEKYDAVDMQDMNPLSHYWISSSHNTYLTG DQLRSESSPEAYIRCLRMGCRCIELDCWDGPDGKPVYHGWTRTTIKIFDDVVQAIKDHAFVTSSF PVILSIEEHCSVEQQRHMAKAFKEVFGLLLTKPTEASADQLSPSPQLREKIIKHKKLGPRGDDVDV NMEDKKDEHKQQGELYMWDSIDQKWTRHYCAIADAKLSFSDDIEQTMEEEVPQDIPPTLHFGE KWFHKKVEKRTSAEKLLQEYCMETGGKDGTFVLVRESETFPNDYTLFSWRSGRVQHCRIRSTMEG GTLKYLLTDNLTFSYIALIQHYRETHLRCAEFELRLTDPVNPNPHEKSPWYYDSLGRGEAEDML MRIPRDGAFLIRKREGSDSYAITFRARGKVKHCRINRDGRHFVLGTSAYFESLVELVSYEKHSLYR KMRLRYPVTPELLERYNMERDINSLYDVSRLMYVDPSEINPSMPQRTVKALYDYKAKRSDLSFCR GALIHNVSKPEGGWKGDYGTRIQQYFSPSNYVEDISTADFEELKQIIEDNPLGSLCRGILDNLNTYN VVKAPQGKNQKSFVFILEPKQQGYPPVEFATDRVEELFEWFQSIREITWKIDTKENNMKYWEKNQ SIAIELSDLVVYCKPTSKTKDNLENPDFREIRSFVETKADSIIRQKPDLLKYNQKGLTRVYPKGQRV DSSNYDPFRLWLCGSQMVALNFQTADKYMQMNHALFSLNGRTGYVLQPESMRTEKYDPMPPES QRKILMTLTVKVLGARHLPLKGRSIACPFVEVEICGAEYDNNKFKTTVVNDNGLSPIWAPTQEKVTF EYDPNLAFRLRFVVEEDMFSDPNFLAHATYPIKAVKSGFRSVPLKNGYSEDIELASLLVFCEMRP VLESEEELYSSCRQLRRRQEELNNQLFLYDTHQNLRLNANRDALVKEFSVNNENQLQLYQEKCNKR LREKRVSNKSFYS
Host	Mouse
Reactivity	Human
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 (Tissue lysate)

PLCG2 MaxPab polyclonal antibody. Western Blot analysis of PLCG2 expression in human liver.

[Protocol Download](#)

- Western Blot (Cell lysate)

PLCG2 MaxPab polyclonal antibody. Western Blot analysis of PLCG2 expression in K-562.

[Protocol Download](#)

- Western Blot (Transfected lysate)

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[Protocol Download](#)

- In situ* Proximity Ligation Assay (Cell)

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Gene Info — PLCG2

Entrez GeneID	5336
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GeneBank Accession#	BC007565
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Protein Accession#	AAH07565.1
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Gene Name	PLCG2
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Gene Alias	-
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Gene Description	phospholipase C, gamma 2 (phosphatidylinositol-specific)
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Omim ID	600220
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Gene Ontology	Hyperlink
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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](#)