

PLC γ 2 Polyclonal Antibody

CATALOG NO:	3587R-30T	30 μ g (Trial size)
	3587R-100	100 μ g
HOST:	Rabbit	
IMMUNOGEN:	Synthetic peptide near the C-terminus of human PLC γ 2 (ID# BV-412).	
SPECIES REACTIVITY:	Human	

FORMULATION:

0.5 mg/ml protein A affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND:

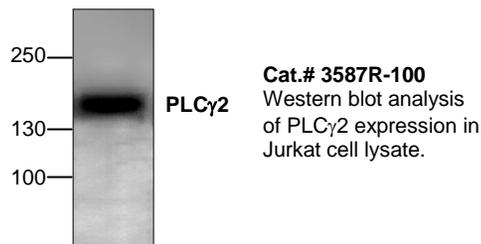
PLC (Phosphoinositide-specific phospholipase C) plays a significant role in transmembrane signaling. Four members of PLCs have been identified: PLC β , PLC γ , PLC δ , and PLC ϵ . In response to extracellular stimuli (e.g., hormone, growth factors, neurotransmitters), PLC hydrolyzes phosphatidylinositol 4,5-bisphosphate (PIP₂) into two secondary messengers: inositol 1,4,5-trisphosphate (IP₃) and diacylglycerol (DAG). PLC γ 2 is engaged in antigen-dependent signaling in B-cells and collagen-dependent signaling in platelets.

SPECIFICITY:

The antibody recognizes 139 kDa human PLC γ 2. Cross-reactivity to other species have not been tested.

APPLICATION:

The antibody can be used in Western blotting (0.5-4 μ g/ml). However, the optimal concentrations should be determined individually. Blocking peptide (Cat.# 3587RBP-50) is available separately.



FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies