www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

Anti-PLCγ1 (N-terminal region) Antibody

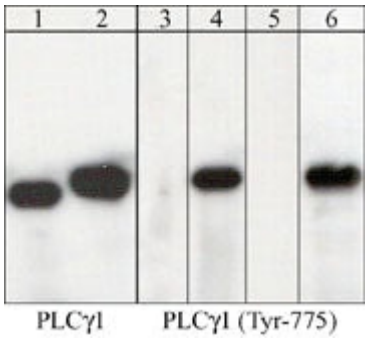
phosphosolutions ANTIBODIES THAT WORK

Product Details

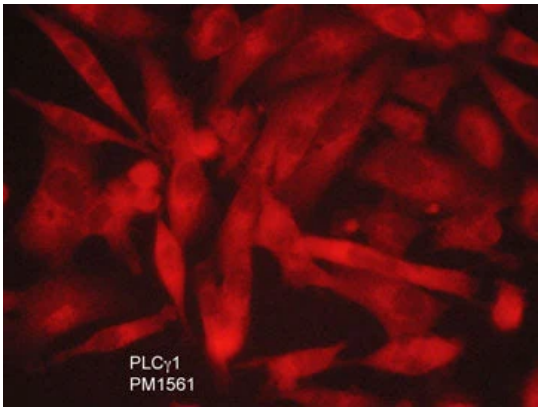
Available Variants	100 µL (SKU:PM1561)
Conjugate	Unconjugated
Isotype	IgG1
Clone	M156
Gene Name	PLCG1
Host Species	Mouse
Format	Protein A Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, IP, WB
Dilution Ranges	WB: 1:1000 ICC: 1:100 IP: 1:100
Species Reactivity	Chicken, Human, Mouse, Rat
Immunogen	Clone (M156) was generated from a synthetic peptide corresponding to amino acids in the N-terminal region of human PLCγ1. This sequence is highly conserved in rat and mouse PLCγ1, and has low homology to PLCγ2.
Specificity	The antibody detects a 150 kDa* protein in human A431, Hct116, and Jurkat cells, as well as in mouse brain.
Molecular Weight	150
Quality Control	Western blots performed on each lot.

Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	P19174 UniProt Summary: Mediates the production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3). Plays an important role in the regulation of intracellular signaling cascades. Becomes activated in response to ligand-mediated activation of receptor-type tyrosine kinases, such as PDGFRA, PDGFRB, EGFR, FGFR1, FGFR2, FGFR3 and FGFR4. Plays a role in actin reorganization and cell migration. Guanine nucleotide exchange factor that binds the GTPase DNM1 and catalyzes the dissociation of GDP, allowing a GTP molecule to bind in its place, therefore enhancing DNM1-dependent endocytosis.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
NCBI Gene ID	5335

Product Images



Western blot analysis of PLCγ1 immunoprecipitates from human jurkat cells untreated (lanes 1 & 3) or treated with pervanadate (1 mM) for 30 min (lanes 2,4,5,6). Immunoprecipitation was performed with anti-PLCγ1 (PM1561). The blots were probed with anti-PLCγ1 (lanes 1 & 2) and anti-PLCγ1 (Tyr-775) (lanes 3-6). The latter antibody was used in the presence of phospho- PLCγ1 (Tyr-775) peptide (lane 5), or unrelated phosphotyrosine peptide (lane 6).



Immunocytochemical labeling of PLCγ1 in adelhyde-fixed and NP-40 permeabilized human MDA-MB-231 breast carcinoma cells. The cells were labeled with mouse monoclonal anti-PLCγ1 (PM1561) antibody. The antibody was detected using appropriate secondary antibody conjugated to DyLight® 594.

Created on 20. November 2026 | All information without guarantee