

Product Datasheet

PLC gamma 1 Antibody



Catalog No: CY5638

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB ICC IP

Information

UniProt ID: P19174

All Names: 1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase gamma 1; EC 3.1.4.11; PLC-148; PLC-II; PLC-gamma1; PLC1; PLCG-1; Phospholipase C-gamma-1;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 149 kDa

Application

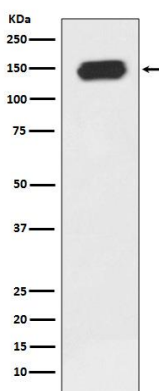
WB: 1:1000~1:5000

ICC: 1:50~1:200

IP: 1:50

Background

The protein encoded by this gene catalyzes the formation of inositol 1,4,5-trisphosphate and diacylglycerol from phosphatidylinositol 4,5-bisphosphate. This reaction uses calcium as a cofactor and plays an important role in the intracellular transduction of receptor-mediated tyrosine kinase activators. For example, when activated by SRC, the encoded protein causes the Ras guanine nucleotide exchange factor RasGRP1 to translocate to the Golgi, where it activates Ras. Also, this protein has been shown to be a major substrate for heparin-binding growth factor 1 (acidic fibroblast growth factor)-activated tyrosine kinase. Two transcript variants encoding different isoforms have been found for this gene.



Western blot analysis of PLC gamma 1 expression in Jurkat cell lysate.

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