

PLCG2 Antibody

Purified Mouse Monoclonal Antibody Catalog # AO2065a

Specification

PLCG2 Antibody - Product Information

Application E, WB, IF, FC
Primary Accession P16885
Reactivity Human
Host Mouse
Clonality Monoclonal

Isotype IgG1

Calculated MW 147.9kDa KDa

Description

The protein encoded by this gene is a transmembrane signaling enzyme that catalyzes the conversion of 1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate to 1D-myo-inositol 1,4,5-trisphosphate (IP3) and diacylglycerol (DAG) using calcium as a cofactor. IP3 and DAG are second messenger molecules important for transmitting signals from growth factor receptors and immune system receptors across the cell membrane. Mutations in this gene have been found in autoinflammation, antibody deficiency, and immune dysregulation syndrome and familial cold autoinflammatory syndrome 3.

Immunogen

Purified recombinant fragment of human PLCG2 (AA: 826-985) expressed in E. Coli.

Formulation

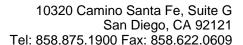
Purified antibody in PBS with 0.05% sodium azide

PLCG2 Antibody - Additional Information

Gene ID 5336

Other Names

1-phosphatidylinositol 4, 5-bisphosphate phosphodiesterase gamma-2, 3.1.4.11, Phosphoinositide phospholipase C-gamma-2, Phospholipase C-IV, PLC-IV, Phospholipase C-gamma-2, PLC-gamma-2, PLCG2





Dilution

E~~1/10000 WB~~1/500 - 1/2000 IF~~1/200 - 1/1000 FC~~1/200 - 1/400

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PLCG2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

PLCG2 Antibody - Protein Information

Name PLCG2 (HGNC:9066)

Function

The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes. It is a crucial enzyme in transmembrane signaling.

PLCG2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture