

For Research Use Only

# PLCG2 Polyclonal antibody

Catalog Number: 29567-1-AP



## Basic Information

Catalog Number:

29567-1-AP

Size:

150ul , Concentration: 1200 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC007565

GeneID (NCBI):

5336

UNIPROT ID:

P16885

Full Name:

phospholipase C, gamma 2  
(phosphatidylinositol-specific)

Calculated MW:

148 kDa

Observed MW:

148 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IF/ICC 1:50-1:500

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : Daudi cells, Raji cells, Ramos cells

IF/ICC : Live U-937 cells,

## Background Information

Phospholipase C-gamma2 (PLCG2) 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.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

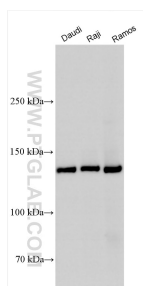
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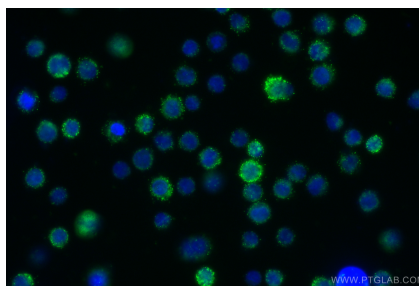
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29567-1-AP (PLCG2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of un-fixed Live U-937 cells using PLCG2 antibody (29567-1-AP) at dilution of 1:100 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).