

# PLC gamma 2 (PLCG2) Rabbit pAb

Catalog No.: A2182

## Basic Information

### Observed MW

175kDa

### Calculated MW

148kDa

### Category

Primary antibody

### Applications

ELISA, WB, IF/ICC

### Cross-Reactivity

Human, Mouse

## Background

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.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IF/ICC</b>	1:20 - 1:100

## Immunogen Information

### Gene ID

5336

### Swiss Prot

P16885

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human PLC gamma 2 (PLC gamma 2 (PLCG2)) (NP\_002652.2).

### Synonyms

FCAS3; APLAID; PLC-IV; PLC-gamma-2; PLC gamma 2 (PLCG2)

## Contact

☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

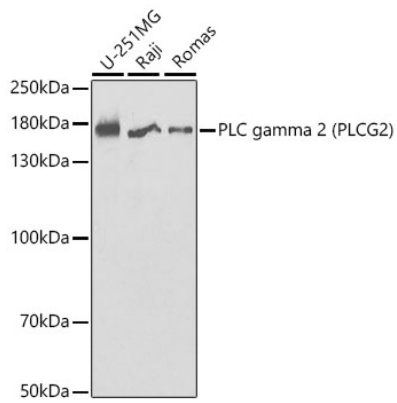
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

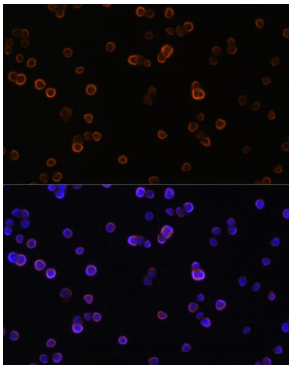
Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of extracts of various cell lines, using PLC gamma 2 (PLC gamma 2 (PLCG2)) antibody (A2182) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.



Immunofluorescence analysis of Raw264.7 cells using PLC gamma 2 (PLC gamma 2 (PLCG2)) antibody (A2182) at dilution of 1:100. Blue: DAPI for nuclear staining.