

# Phospho-PLC gamma 2 (PLCG2)-Y759 Rabbit pAb

Catalog No.: AP0785

1 Publications

## Basic Information

**Observed MW**

150kDa

**Calculated MW**

148kDa

**Category**

Primary antibody

**Applications**

ELISA, WB

**Cross-Reactivity**

Human

## 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

WB 1:500 - 1:2000

## Immunogen Information

**Gene ID**

5336

**Swiss Prot**

P16885

**Immunogen**

A synthetic phosphorylated peptide around Y759 of human PLC gamma 2 (PLCG2) (NP\_002652.2).

**Synonyms**

FCAS3; APLAID; PLC-IV; PLC-gamma-2; Phospho-PLC gamma 2 (PLCG2)-Y759

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

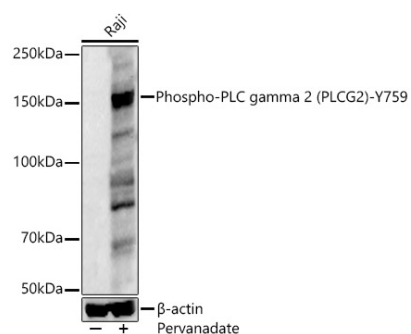
Affinity purification

**Storage**

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

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

## Validation Data



Western blot analysis of Raji, using Phospho-PLC gamma 2 (PLCG2)-Y759 Rabbit pAb (AP0785) at 1:2000 dilution. Raji cells were treated by Pervanadate (1 mM) at 37°C for 30 minutes.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.