

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

WB,ELISA

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

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

5336

Swiss Prot

P16885

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

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

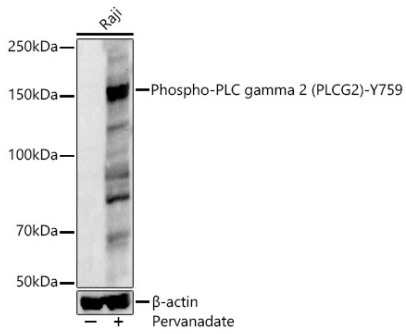
Affinity purification

Storage

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

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

Validation Data



Western blot analysis of lysates from Raji cells, using Phospho-PLC gamma 2 (PLCG2)-Y759 Rabbit pAb (AP0785) at 1:2000 dilution. Raji cells were treated with Pervanadate (1 mM) at 37°C for 30 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.