A2182

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PLC gamma 2 (PLCG2) Rabbit pAb

Catalog No.: A2182

Basic Information

Observed MW
175kDa

Calculated MW
148kDa

Category
Polyclonal Antibody

Applications
WB,IF/ICC,ELISA

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

WB	1:500 - 1:2000
IF/ICC	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

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Product Information

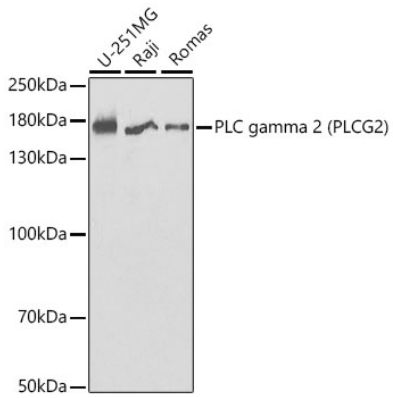
Source
Rabbit

Isotype
IgG

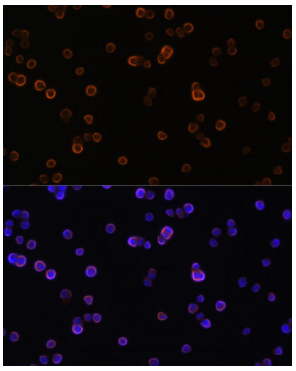
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

Validation Data



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.