Anti-Phospho-PLCG2 (Tyr1217) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108977

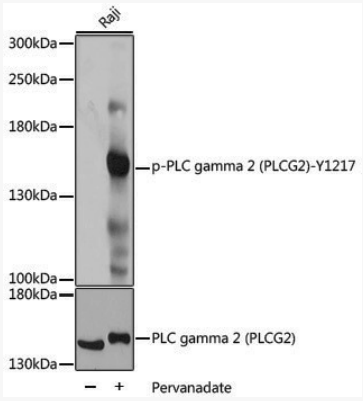
Product Information

Application	WB, IHC-P, ELISA
Reactivity	Human, Mouse
Dilution	WB 1:500~1:2000; IHC-P 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphorylated peptide around Y1217 of human PLC gamma 2 (PLCG2) (NP_002652.2).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-PLCG2 (Tyr1217) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

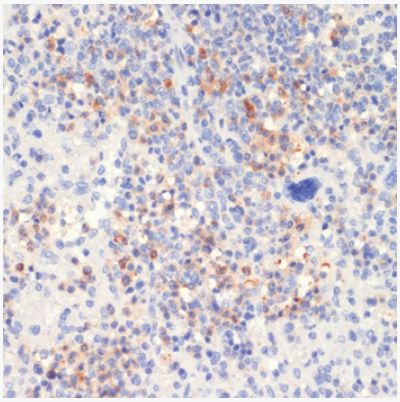
Protein Information

Synonyms	FCAS3; APLAID; PLC-IV; PLC-gamma-2; Phospho-PLC gamma 2 (PLCG2)-Y1217.
Calculated MW	Calculated MW: 148 kDa; Observed MW: 150 kDa
Uniprot ID	P16885
Gene ID	5336
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.

Validation Images



Western blot analysis of lysates from Raji cells, using Phospho-PLC gamma 2 (PLCG2)-Y1217 Rabbit pAb (P108977) at 1:1,000 dilution or PLC gamma 2 (PLCG2) antibody (P105373). Raji cells were treated by Pervanadate (1 mM) at 37°C for 30 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Kit.
Exposure time: 1s.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen using Phospho-PLC gamma 2 (PLCG2)-Y1217 Rabbit pAb (P108977) at dilution of 1:100 (40× lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.