

Anti-PLC gamma 2 Antibody

Catalog # AP96006

Product Information

Application	WB, FC, IF/IC
Primary Accession	P16885
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	147870

Additional Information

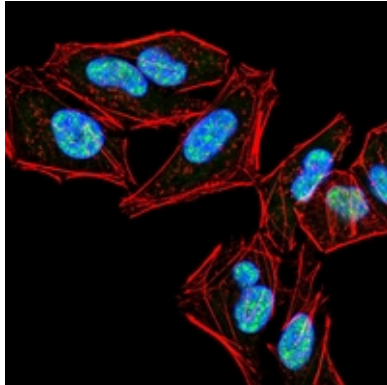
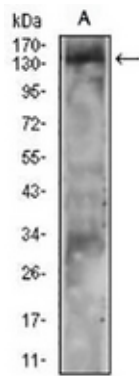
Gene ID	5336
Other Names	1-phosphatidylinositol 4, 5-bisphosphate phosphodiesterase gamma-2; Phosphoinositide phospholipase C-gamma-2; Phospholipase C-IV; PLC-IV; Phospholipase C-gamma-2; PLC-gamma-2
Target/Specificity	Synthesized peptide of human PLC gamma 2
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200) IF/IC~~N/A
Format	Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

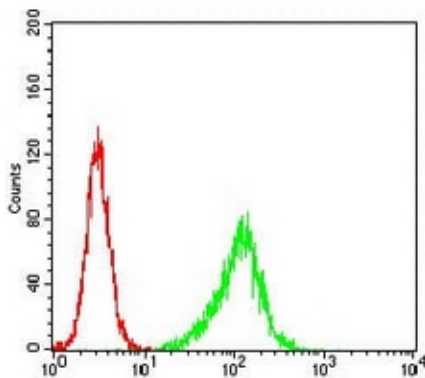
Name	PLCG2 (HGNC:9066)
Function	The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes (PubMed: 19394299 , PubMed: 23000145). It is a crucial enzyme in transmembrane signaling (PubMed: 23000145).
Cellular Location	Membrane raft {ECO:0000250 UniProtKB:Q8CIH5}.

Images

Western blot analysis of PLC gamma 2 expression in A431 (A) whole cell lysates. (Predicted band size: 148 kD; Observed band size: 135 kD)



Immunofluorescent analysis of PLC gamma 2 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of HeLa cells using Anti-PLC gamma 2 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.