

产品名称: PLC γ 2 Rabbit Polyclonal Antibody
产品货号: APRab16249



产品概述 (Summary)

产品名称 (Production Name)	PLC γ 2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	PLCG2 PLCG2; 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
别名 (Alternative Names)	
基因 ID (Gene ID)	5336.0
蛋白 ID (SwissProt ID)	P16885.The antiserum was produced against synthesized peptide derived from human PLCG2. AA range:1186-1235

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	147kDa

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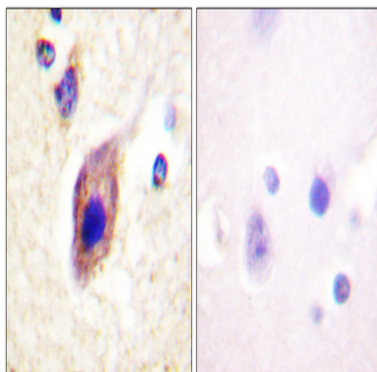
研究背景 (Background)

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. [provided by RefSeq, Mar 2014], catalytic activity: 1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate + H₂O = 1D-myo-inositol 1,4,5-trisphosphate + diacylglycerol, cofactor: Calcium, 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. It is a crucial enzyme in transmembrane signaling, PTM: Phosphorylated on tyrosine residues; upon ligand-induced activation of a variety of growth factor receptors and immune system receptors. Increases phospholipase activity, similarity: Contains 1 C2 domain, similarity: Contains 1 PH domain, similarity: Contains 1 PI-PLC X-box domain, similarity: Contains 1 PI-PLC Y-box domain, similarity: Contains 1 SH3 domain, similarity: Contains 2 SH2 domains,

研究领域 (Research Area)

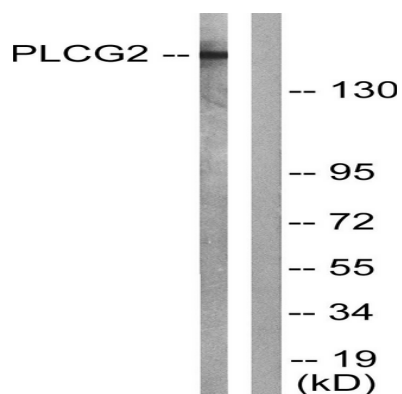
Inositol phosphate metabolism; ErbB_HER; Calcium; Phosphatidylinositol signaling system; VEGF; Natural killer cell mediated cytotoxicity; B_Cell_Antigen; Fc epsilon RI; Fc gamma R-mediated phagocytosis; Leukocyte transendothelial migration; Neurotrophin; Vibrio cholerae infection; Epithelial cell signaling in Helicobacter pylori infection; Pathways in cancer; Glioma; Non-small cell lung cancer;

图片 (Image Data)



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using PLCG2 Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from Raw264.7 cells, treated with PMA 125ng/ml 30 ' , using PLCG2 Antibody. The lane on the right is blocked with the synthesized peptide.

注意事项 (Note)

For research use only .