

产品名称: PLC β 3 (phospho Ser537) Rabbit Polyclonal Antibody
产品货号: APRab05283



产品概述 (Summary)

产品名称 (Production Name)	PLC β 3 (phospho Ser537) 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)	Phosphorylated
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)	PLCB3
别名 (Alternative Names)	PLCB3; 1-phosphatidylinositol 4; 5-bisphosphate phosphodiesterase beta-3; Phosphoinositide phospholipase C-beta-3; Phospholipase C-beta-3; PLC-beta-3
基因 ID (Gene ID)	5331.0
蛋白 ID (SwissProt ID)	Q01970.The antiserum was produced against synthesized peptide derived from human PLC beta3 around the phosphorylation site of Ser537. AA range:503-552

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稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	150kDa

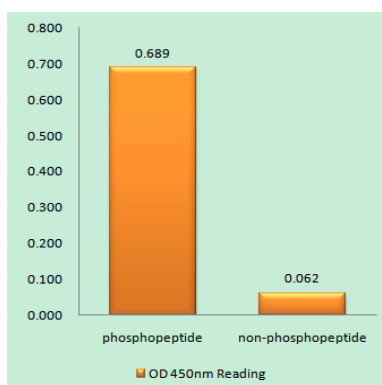
研究背景 (Background)

This gene encodes a member of the phosphoinositide phospholipase C beta enzyme family that catalyze the production of the secondary messengers diacylglycerol and inositol 1,4,5-trisphosphate from phosphatidylinositol in G-protein-linked receptor-mediated signal transduction. Alternative splicing results in multiple transcript variants.[provided by RefSeq, May 2010],catalytic activity:1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate + H(2)O = 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.,similarity:Contains 1 C2 domain.,similarity:Contains 1 PI-PLC X-box domain.,similarity:Contains 1 PI-PLC Y-box domain.,subunit:Interacts with SHANK2 (By similarity). Interacts with LPAR2.,

研究领域 (Research Area)

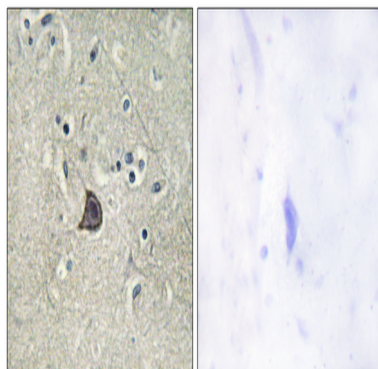
Stem cell pathway; WNT;WNT-T CELL; β -Catenin; AMPK

图片 (Image Data)

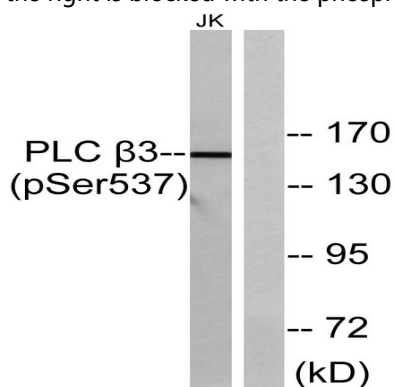


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using PLC beta3 (Phospho-Ser537) Antibody

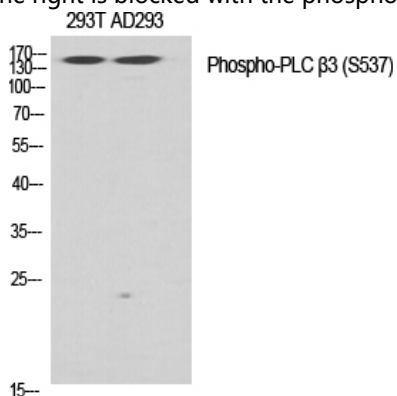
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Immunohistochemistry analysis of paraffin-embedded human brain, using PLC β 3 (Phospho-Ser537) Antibody. The picture on the right is blocked with the phospho peptide.

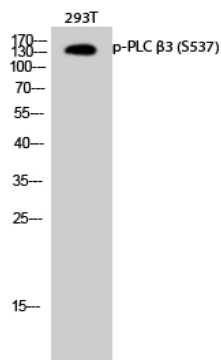


Western blot analysis of lysates from Jurkat cells treated with UV 15', using PLC β 3 (Phospho-Ser537) Antibody. The lane on the right is blocked with the phospho peptide.



Western Blot analysis of various cells using Phospho-PLC β 3 (S537) Polyclonal Antibody diluted at 1: 500

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Western Blot analysis of 293T cells using Phospho-PLC β 3 (S537) Polyclonal Antibody diluted at 1: 500

注意事项 (Note)

For research use only .