

产品名称: PIPK I γ Rabbit Polyclonal Antibody

产品货号: APRab16162

产品概述 (Summary)

描述(Description)	Rabbit polyclonal Antibody
宿主(Host)	Rabbit
应用(Application)	WB,ELISA
种属反应(Reactivity)	Human,Rat,Mouse
偶联物(Conjugation)	Unconjugated
修饰(Modification)	Unmodified
同种型(Isotype)	IgG
克隆(Clonality)	Polyclonal
剂型(Form)	Liquid
保存条件(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 (Purification)	Affinity purification

产品应用(Application)

稀释比(Dilution Ratio)	WB 1:500-1:2000,ELISA 1:10000-1:20000
分子量(Molecular Weight)	80kDa

抗原信息(Antigen Information)

基因名(Gene Name)	PIP5K1C
别名(Alternative Names)	PIP5K1C; KIAA0589; Phosphatidylinositol 4-phosphate 5-kinase type-1 gamma; PIP5K1-gamma; PtdIns(4)P-5-kinase 1 gamma; Phosphatidylinositol 4-phosphate 5-kinase type I gamma; PIP5KIgamma
基因 ID(Gene ID)	23396.0
SwissProt ID	O60331
免疫原(Immunogen)	The antiserum was produced against synthesized peptide derived from human PIP5K1C. AA range:305-354

研究背景 (Background)

phosphatidylinositol-4-phosphate 5-kinase type 1 gamma(PIP5K1C) Homo sapiens This locus encodes a type I phosphatidylinositol 4-phosphate 5-kinase. The encoded protein catalyzes phosphorylation of phosphatidylinositol 4-phosphate, producing phosphatidylinositol 4,5-bisphosphate. This enzyme is found at synapses and has been found to play roles in endocytosis and cell migration. Mutations at this locus have been associated with lethal congenital contractural syndrome. Alternatively spliced transcript variants encoding different isoforms have been described.[provided by RefSeq, Sep 2010],catalytic activity:ATP + 1-phosphatidyl-1D-myo-inositol 4-phosphate = ADP + 1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate.,disease:Defects in PIP5K1C are the cause of lethal congenital contractural syndrome type 3 (LCCS3) [MIM:611369]; also known as multiple contractural syndrome Israeli Bedouin type B. LCCS is an autosomal recessive disorder characterized by early fetal hydrops and akinesia, the Pena-Shokeir phenotype, specific neuropathology with degeneration of anterior horn neurons and extreme skeletal muscle atrophy. LCCS3 patients present at birth with severe multiple joint contractures with severe muscle wasting and atrophy, mainly in the legs. LCCS3 can be distinguished from the original LCCS by the absence of hydrops, fractures, and multiple pterygia.,enzyme regulation:Activated by interaction with TLN2.,function:Plays a role in membrane ruffling and assembly of clathrin-coated pits at the synapse. Mediates RAC1-dependent reorganization of actin filaments (By similarity). Participates in the biosynthesis of phosphatidylinositol-4,5-bisphosphate.,similarity:Contains 1 PI5K domain.,subcellular location:Cytoplasmic, associated with the plasma membrane. Detected in focal adhesion plaques, membrane ruffles and plasma membrane invaginations.,subunit:Interacts with TLN1 and CSK (By similarity). Interacts with TLN2 and ARF6.,

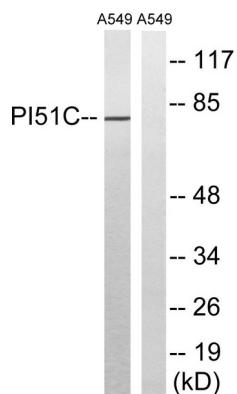
研究领域 (Research Area)

Inositol phosphate metabolism;Phosphatidylinositol signaling system;Endocytosis;Focal adhesion;Fc gamma R-mediated phagocytosis;Regulates Actin and Cytoskeleton;

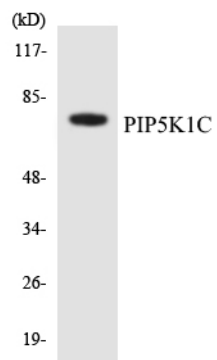
注意事项 (Note)

For research use only.

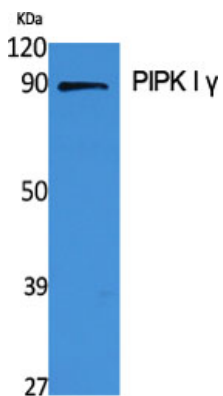
图片 (Image Data)



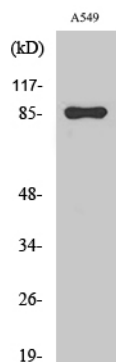
Western blot analysis of lysates from A549 cells, using PIP5K1C Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HepG2 cells using PIP5K1C antibody.



Western Blot analysis of various cells using PIPK I γ Polyclonal Antibody



Western Blot analysis of A549 cells using PIPK I γ Polyclonal Antibody

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产品类别	产品货号	产品名称
WB 解决方案	RA10020	2h 极速 WB 即用型全流程试剂盒
	RA10021	4h 快速 WB 即用型全流程试剂盒
	RA10042	5h 畅享版 WB 全流程试剂盒
	RA10037	校准级彩色预染蛋白 Marker (8-180kDa)
	RA10038	校准级彩色预染蛋白 Marker (10-250kDa)
	RA10039	校准级高分子彩色预染蛋白 Marker (25-400kDa)
TSA 多重荧光染色试剂盒	RA10008	TSA 双标三色多重荧光染色试剂盒 (mIHC)
	RA10009	TSA 三标四色多重荧光染色试剂盒 (mIHC)
	RA10010	TSA 四标五色多重荧光染色试剂盒 (mIHC)
	RA10011	TSA 五标六色多重荧光染色试剂盒 (mIHC)
	RA10012	TSA 六标七色多重荧光染色试剂盒 (mIHC)
IHC 检测试剂盒	RA10006	HRP Anti-Mouse/Rabbit IHC Detection System
	RA10007	Polymer-HRP Anti-Mouse/Rabbit IHC Detection System
抗体标记试剂盒	RE80004p	辣根过氧化物酶(HRP)抗体标记试剂盒
	RE80002q	Sulfo-NHS-生物素标记试剂盒
	RE80007p	Cy3 荧光素标记试剂盒
	RE80011p	Fluor488 荧光素标记试剂盒
	RE80017p	Fluor750 荧光素标记试剂盒
	RE80005p	藻红蛋白(R-PE) 抗体快速标记试剂盒
	RE80040	PE-Cy7 串联染料抗体快速标记试剂盒
稳转细胞系构建服务 (免费赠送全膜 WB 验证)	TS-0001	过表达稳转细胞系构建
	TS-0002	敲低稳转细胞系构建
	TS-0003	敲除细胞系构建

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