

产品名称: PKC γ Rabbit Polyclonal Antibody
产品货号: APRab16201



产品概述 (Summary)

产品名称 (Production Name)	PKC γ 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)	PRKCG
别名 (Alternative Names)	PRKCG; PKCG; Protein kinase C gamma type; PKC-gamma
基因 ID (Gene ID)	5582.0
蛋白 ID (SwissProt ID)	P05129.The antiserum was produced against synthesized peptide derived from the Internal region of human PRKCG. AA range:521-570

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 1:10000-1:20000
蛋白分子量 (Molecular Weight)	78kDa

研究背景 (Background)

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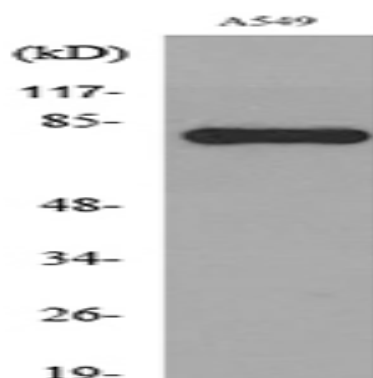
Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and second messenger diacylglycerol. PKC family members phosphorylate a wide variety of protein targets and are known to be involved in diverse cellular signaling pathways. PKC also serve as major receptors for phorbol esters, a class of tumor promoters. Each member of the PKC family has a specific expression profile and is believed to play distinct roles in cells. The protein encoded by this gene is one of the PKC family members. This protein kinase is expressed solely in the brain and spinal cord and its localization is restricted to neurons. It has been demonstrated that several neuronal functions, including long term potentiation (LTP) and long term depression (LTD), specifically require this kinase. Knockout studies in mice also suggest that this kinase may be involved in neuromodulatory activity: ATP + a protein = ADP + a phosphoprotein., cofactor: Binds 3 calcium ions per subunit. The ions are bound to the C2 domain., disease: Defects in PRKCG are the cause of spinocerebellar ataxia type 14 (SCA14) [MIM:605361]. Spinocerebellar ataxia is a clinically and genetically heterogeneous group of cerebellar disorders. Patients show progressive incoordination of gait and often poor coordination of hands, speech and eye movements, due to degeneration of the cerebellum with variable involvement of the brainstem and spinal cord. SCA14 is an autosomal dominant cerebellar ataxia (ADCA), function: PKC is activated by diacylglycerol which in turn phosphorylates a range of cellular proteins. PKC also serves as the receptor for phorbol esters, a class of tumor promoters., function: This is a calcium-activated, phospholipid-dependent, serine- and threonine-specific enzyme., online information: Retina International's Scientific Newsletter, similarity: Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. PKC subfamily., similarity: Contains 1 AGC-kinase C-terminal domain., similarity: Contains 1 C2 domain., similarity: Contains 1 protein kinase domain., similarity: Contains 2 phorbol-ester/DAG-type zinc fingers., subunit: Interacts with CDCP1.,

研究领域 (Research Area)

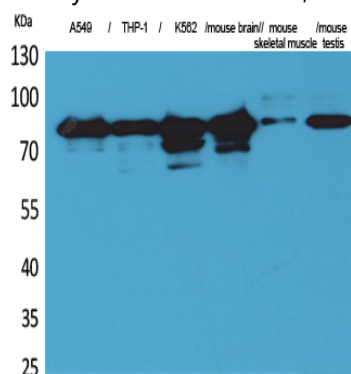
MAPK_ERK_Growth; MAPK_G_Protein; ErbB_HER; Calcium; Phosphatidylinositol signaling system; Vascular smooth muscle contraction; WNT; WNT-T CELLVEGF; Focal adhesion; Tight junction; Gap junction; Natural killer cell mediated cytotoxicity; Fc gamma R-mediated phagocytosis; Leukocyte transendothelial migration; Long-term potentiation; Long-term depression; Melanogenesis; Aldosterone-regulated sodium reabsorption; Vibrio cholerae infection; Pathways in cancer; Glioma; Non-small cell lung cancer;

图片 (Image Data)

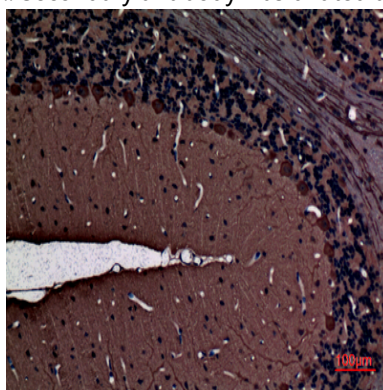
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Western blot analysis of lysate from A549 cells, using PRKCG Antibody.



Western Blot analysis of A549, THP-1, K562, mouse brain, mouse skeletal muscle, mouse testis cells using PKC γ Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100

注意事项 (Note)

For research use only .