

产品名称: PKC Rabbit Polyclonal Antibody
产品货号: AP Rab16197



产品概述 (Summary)

产品名称 (Production Name)	PKC 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)	PRKCA PRKCA; PKCA; PRKACA; Protein kinase C alpha type; PKC-A; PKC-alpha; PRKCB; PKCB; PRKCB1; Protein kinase C beta type; PKC-B; PKC-beta; PRKCD; Protein kinase C delta type; Tyrosine-protein kinase PRKCD; nPKC-delta; PRKCE; PKCE; Protein kinase
别名 (Alternative Names)	
基因 ID (Gene ID)	5578/5579/5580/5581/5582/5583/5588/5590 P17252/P05771/Q05655/Q02156/P05129/P24723/Q04759/Q05513.The
蛋白 ID (SwissProt ID)	antiserum was produced against synthesized peptide derived from human PKC. AA range:623-672

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稀释比 (Dilution Ratio) WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight) 67-83kDa(α 76, δ/β 77, γ 78, θ/ϵ 83, ζ 67)

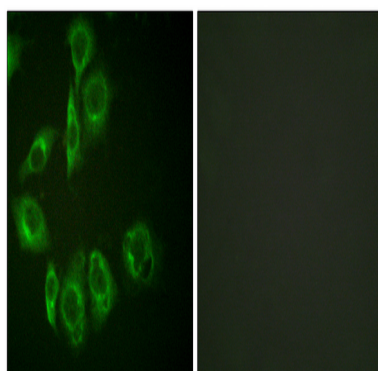
研究背景 (Background)

Protein kinase C (PKC) is a family of serine- and threonine-specific protein kinases that can be activated by calcium and the 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 family members 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 a distinct role in cells. The protein encoded by this gene is one of the PKC family members. This kinase has been reported to play roles in many different cellular processes, such as cell adhesion, cell transformation, cell cycle checkpoint, and cell volume control. Knockout studies in mice suggest that this kinase may be a fundamental regulator of cardiac contractility and Ca^{2+} handling in myocytes. [provided by RefSeq, Jul 2] catalytic activity: $\text{ATP} + \text{a protein} = \text{ADP} + \text{a phosphoprotein}$, cofactor: Binds 3 calcium ions per subunit. The ions are bound to the C2 domain., 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. May play a role in cell motility by phosphorylating CSPG4., similarity: Belongs to the protein kinase superfamily., 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 ADAP1/CENTA1, CSPG4 and PRKCABP. Binds to SDPR in the presence of phosphatidylserine.,

研究领域 (Research Area)

Regulation_Microtubule; Regulation of Actin Dynamics; Stem cell pathway; Insulin Receptor; ErbB/HER; MAPK_ERK_Growth; MAPK_G_Protein; WNT; WNT-T CELL; β -Catenin; B Cell Receptor; PI3K/Akt; mTOR; AMPK

图片 (Image Data)

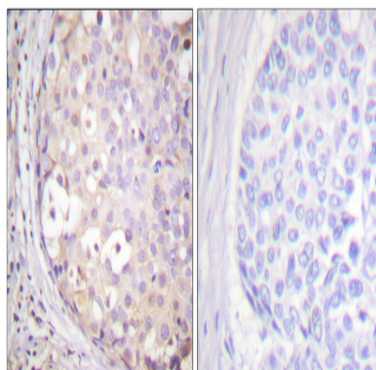


Immunofluorescence analysis of HUVEC cells, using PKC-pan Antibody. The picture on the right is blocked with the

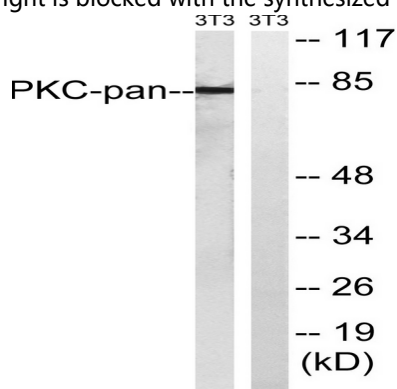
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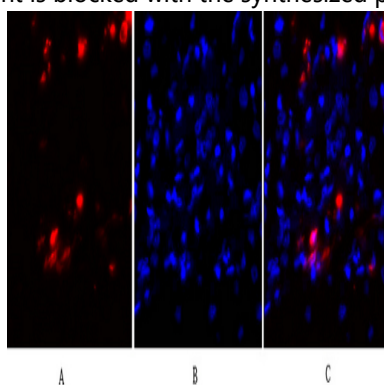
synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using PKC-pan Antibody. The picture on the right is blocked with the synthesized peptide.

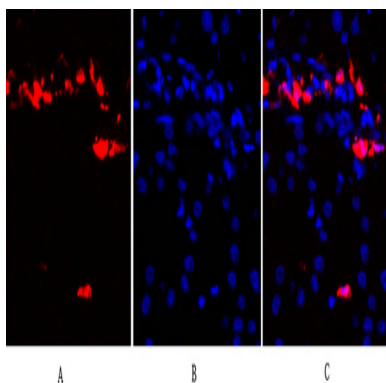


Western blot analysis of lysates from NIH/3T3 cells, treated with PMA 250ng/ml 15', using PKC-pan Antibody. The lane on the right is blocked with the synthesized peptide.



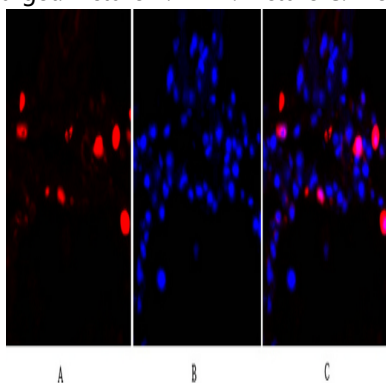
Immunofluorescence analysis of human-liver tissue. 1, PKC Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min.
Picture A: Target. Picture B: DAPI. Picture C: merge of A+B

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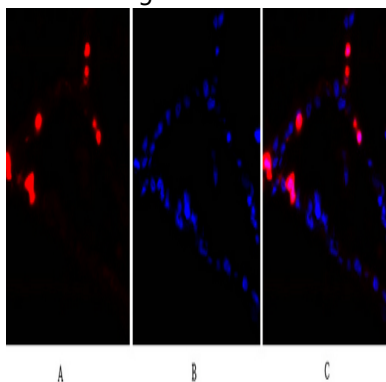


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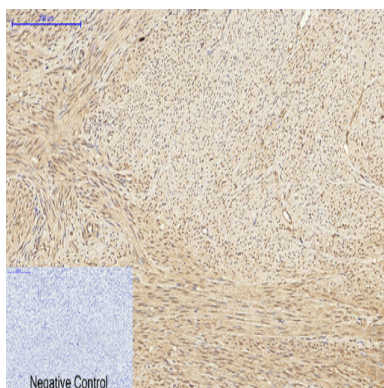


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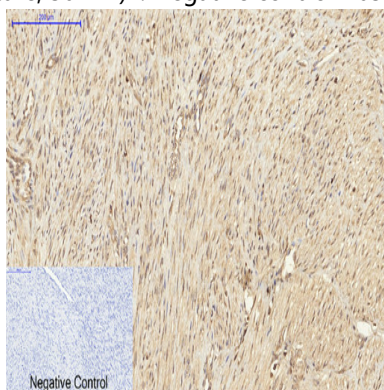


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Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1,PKC Polyclonal Antibody was diluted at 1:200 (4°C,overnight) . 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C,20min) . 3,Secondary antibody was diluted at 1:200 (room tempeRature, 30min) . Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Human-uterus-cancer tissue. 1,PKC Polyclonal Antibody was diluted at 1:200 (4°C,overnight) . 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C,20min) . 3,Secondary antibody was diluted at 1:200 (room tempeRature, 30min) . Negative control was used by secondary antibody only.

注意事项 (Note)

For research use only .