

产品名称: PKD1/2/3 (phospho Ser738/S742) Rabbit Polyclonal Antibody
产品货号: APRab05274



产品概述 (Summary)

产品名称 (Production Name)	PKD1/2/3 (phospho Ser738/S742) 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)	KPCD1/KPCD2/KPCD3 PRKD1; PKD; PKD1; PRKCM; Serine/threonine-protein kinase D1; Protein kinase C mu type; Protein kinase D; nPKC-D1; nPKC-mu; PRKD2; PKD2; HSPC187; Serine/threonine-protein kinase D2; nPKC-D2; PRKD3; EPK2; PRKCN; Serine/threonine-protein kinas
别名 (Alternative Names)	
基因 ID (Gene ID)	5587/25865/23683
蛋白 ID (SwissProt ID)	Q15139/Q9BZL6/O94806.The antiserum was produced against synthesized peptide derived from human PKD1/2/3/PKC mu around the phosphorylation site of Ser738 and Ser742. AA range:706-755

产品应用 (Application)

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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 1:5000-1:10000
蛋白分子量 (Molecular Weight) 101kDa

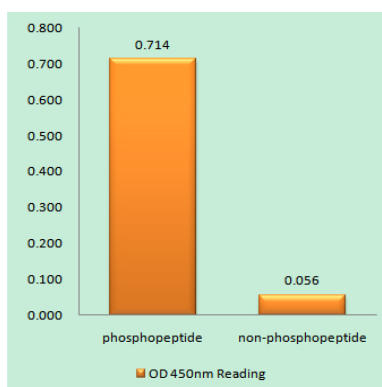
研究背景 (Background)

PRKD1 is a serine/threonine kinase that regulates a variety of cellular functions, including membrane receptor signaling, transport at the Golgi, protection from oxidative stress at the mitochondria, gene transcription, and regulation of cell shape, motility, and adhesion (summary by Eiseler et al., 2009 [PubMed 19329994]).[supplied by OMIM, Nov 2010],catalytic activity:ATP + a protein = ADP + a phosphoprotein.,enzyme regulation:Activated by diacylglycerol and phorbol esters.,function:Calcium-independent, phospholipid-dependent, serine- and threonine-specific kinase involved in resistance to oxidative stress.,PTM:Phosphorylation of Ser-738 and/or Ser-742 in activated PKD is mediated by transphosphorylation (By similarity). Phosphorylation of Tyr-463 mediated by the Src/Abl pathway in response to oxidative stress activates the kinase.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. PKD subfamily.,similarity:Contains 1 PH domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 2 phorbol-ester/DAG-type zinc fingers.,subunit:Interacts (via N-terminus) with ADAP1/CENTA1. Interacts with Src.,

研究领域 (Research Area)

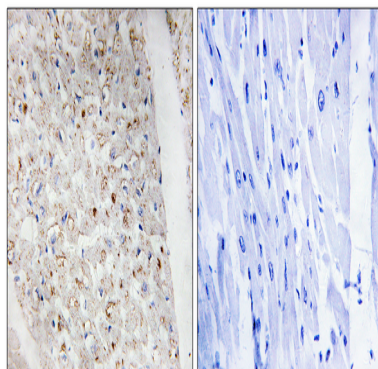
Regulation_Microtubule; Regulation of Actin Dynamics; Stem cell pathway; Insulin Receptor; B Cell Receptor; AMPK

图片 (Image Data)

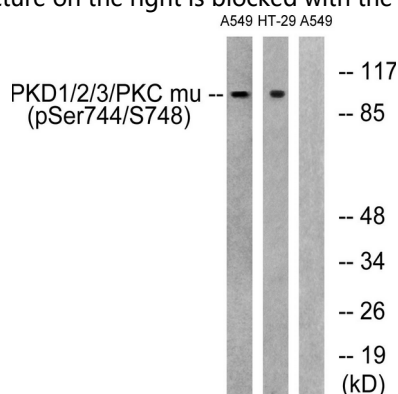


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using PKD1/2/3/PKC mu (Phospho-Ser738+Ser742) Antibody

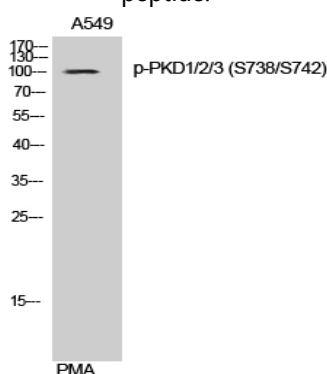
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Immunohistochemistry analysis of paraffin-embedded human heart, using PKD1/2/3/PKC mu (Phospho-Ser738+Ser742) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from A549 cells treated with PMA 125ng/ml 30' and HT29 cells treated with serum 20% 15', using PKD1/2/3/PKC mu (Phospho-Ser738+Ser742) Antibody. The lane on the right is blocked with the phospho peptide.



Western Blot analysis of A549 cells using Phospho-PKD1/2/3 (S738/S742) Polyclonal Antibody

注意事项 (Note)

For research use only .