

产品名称: PKD2 (phospho Ser876) Rabbit Polyclonal Antibody
产品货号: APRab05276



产品概述 (Summary)

产品名称 (Production Name)	PKD2 (phospho Ser876) 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)	PRKD2
别名 (Alternative Names)	PRKD2; PKD2; HSPC187; Serine/threonine-protein kinase D2; nPKC-D2
基因 ID (Gene ID)	25865.0
蛋白 ID (SwissProt ID)	Q9BZL6.The antiserum was produced against synthesized peptide derived from human PKD2 around the phosphorylation site of Ser876. AA range:829-878

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 1:20000-1:40000
蛋白分子量 (Molecular Weight)	96kDa

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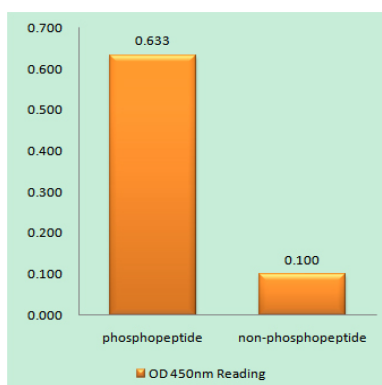
研究背景 (Background)

The protein encoded by this gene belongs to the protein kinase D (PKD) family of serine/threonine protein kinases. This kinase can be activated by phorbol esters as well as by gastrin via the cholecystokinin B receptor (CCKBR) in gastric cancer cells. It can bind to diacylglycerol (DAG) in the trans-Golgi network (TGN) and may regulate basolateral membrane protein exit from TGN. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008],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 protein kinase.,PTM:Autophosphorylated. Phorbol esters stimulates autophosphorylation. Phosphorylation of Ser-876 correlates with the activation status of 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.,tissue specificity:Widely expressed.,

研究领域 (Research Area)

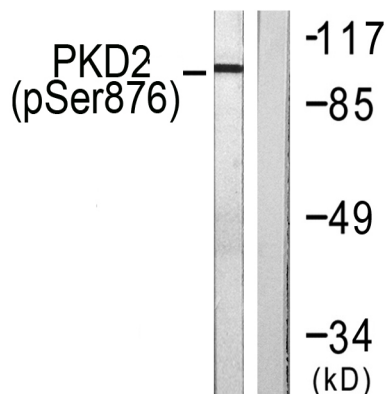
Regulation_Microtubule; Regulation of Actin Dynamics; Stem cell pathway; Insulin Receptor; B Cell Receptor; AMPK

图片 (Image Data)

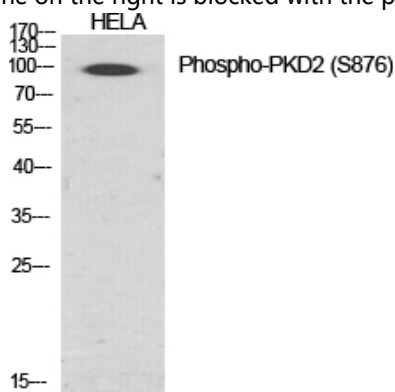


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using PKD2 (Phospho-Ser876) Antibody

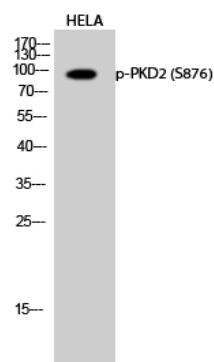
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Western blot analysis of lysates from NIH/3T3 cells treated with PMA 250ng/ml 15', using PKD2 (Phospho-Ser876) Antibody. The lane on the right is blocked with the phospho peptide.



Western Blot analysis of various cells using Phospho-PKD2 (S876) Polyclonal Antibody diluted at 1: 1000



Western Blot analysis of HELA cells using Phospho-PKD2 (S876) Polyclonal Antibody diluted at 1: 1000

注意事项 (Note)

For research use only .