

产品名称: PRK1 (phospho-Thr774)/PRK2 (phospho-Thr816)
Rabbit Polyclonal Antibody
产品货号: APRab05308



产品概述 (Summary)

产品名称 (Production Name)	PRK1 (phospho-Thr774)/PRK2 (phospho-Thr816) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,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)	Serine/threonine-protein kinase N1 (EC 2.7.11.13) (Protease-activated kinase 1) (PAK-1) (Protein kinase C-like 1) (Protein kinase C-like PKN) (Protein kinase PKN-alpha) (Protein-kinase C-related kinase 1) (Serine-threonine protein kinase N)
别名 (Alternative Names)	
基因 ID (Gene ID)	5585.0
蛋白 ID (SwissProt ID)	Q16512.Synthesized phosho peptide around human PRK1 (Thr774) and PRK2 (Thr816)

产品应用 (Application)

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稀释比 (Dilution Ratio) WB 1:500-1:2000,IHC 1:50-1:300,ELISA 1:2000-1:20000
蛋白分子量 (Molecular Weight) 103kDa

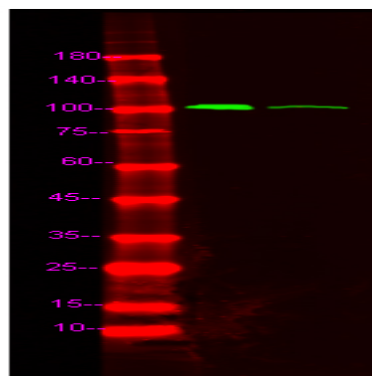
研究背景 (Background)

protein kinase N1(PKN1) Homo sapiens The protein encoded by this gene belongs to the protein kinase C superfamily. This kinase is activated by Rho family of small G proteins and may mediate the Rho-dependent signaling pathway. This kinase can be activated by phospholipids and by limited proteolysis. The 3-phosphoinositide dependent protein kinase-1 (PDPK1/PDK1) is reported to phosphorylate this kinase, which may mediate insulin signals to the actin cytoskeleton. The proteolytic activation of this kinase by caspase-3 or related proteases during apoptosis suggests its role in signal transduction related to apoptosis. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008],catalytic activity:ATP + a protein = ADP + a phosphoprotein.,domain:The C1 domain does not bind the diacylglycerol (DAG),enzyme regulation:Activated by lipids, particularly cardiolipin and to a lesser extent by other acidic phospholipids. Two specific sites, Thr-774 (activation loop of the kinase domain) and Ser-916 (turn motif), need to be phosphorylated for its full activation.,function:Can phosphorylate ribosomal protein S6. Mediates GTPase Rho dependent intracellular signaling.,PTM:Activated by limited proteolysis with trypsin.,PTM:Autophosphorylated; preferably on serine.,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 3 REM (Hr1) repeats.,subunit:Interacts with ZA20D3 (By similarity). Interacts with RhoA and Rac1.,tissue specificity:Found ubiquitously. Expressed in heart, brain, placenta, lung, skeletal muscle, kidney and pancreas.,

研究领域 (Research Area)

Signal Transduction

图片 (Image Data)



Western Blot analysis of HeLa treated or untreated by LPS lysis, using primary antibody at 1:1000 dilution. Secondary

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antibody was diluted at 1:10000

注意事项 (Note)

For research use only .