

**产品名称: PKD1 (phospho Tyr463) Rabbit Polyclonal Antibody**  
**产品货号: APRab05273**



## 产品概述 (Summary)

|                        |                                                  |
|------------------------|--------------------------------------------------|
| 产品名称 (Production Name) | PKD1 (phospho Tyr463) 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)        | PRKD1                                                                                                                                                    |
| 别名 (Alternative Names) | PRKD1; PKD; PKD1; PRKCM; Serine/threonine-protein kinase D1; Protein kinase C mu type; Protein kinase D; nPKC-D1; nPKC-mu                                |
| 基因 ID (Gene ID)        | 5587.0                                                                                                                                                   |
| 蛋白 ID (SwissProt ID)   | Q15139.The antiserum was produced against synthesized peptide derived from human PKD1/PKC mu around the phosphorylation site of Tyr463. AA range:429-478 |

## 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 |
|----------------------|-------------------------------------------------------------------------|

**产品名称: PKD1 (phospho Tyr463) Rabbit Polyclonal Antibody**  
**产品货号: APRab05273**



蛋白分子量 (Molecular Weight) 130kDa

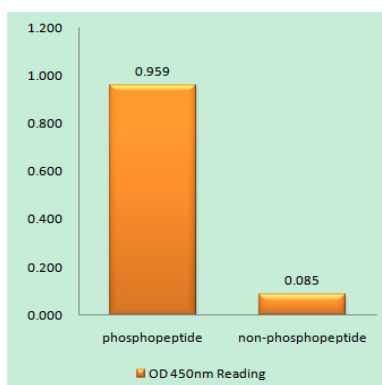
## 研究背景 (Background)

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)

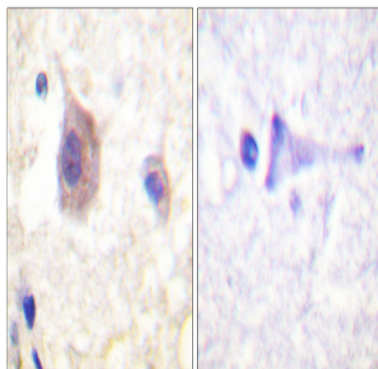
Regulation\_Microtubule; Regulation of Actin Dynamics; Stem cell pathway; Insulin Receptor; B Cell Receptor; AMPK

## 图片 (Image Data)

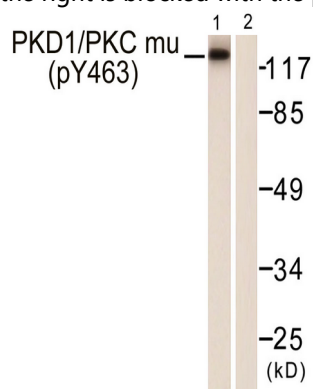


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using PKD1/PKC mu (Phospho-Tyr463) Antibody

产品名称: PKD1 (phospho Tyr463) Rabbit Polyclonal Antibody  
产品货号: APRab05273



Immunohistochemistry analysis of paraffin-embedded human brain, using PKD1/PC mu (Phospho-Tyr463) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HepG2 cells, using PKD1/PC mu (Phospho-Tyr463) Antibody. The lane on the right is blocked with the phospho peptide.

### 注意事项 (Note)

For research use only .