

产品名称: PAK4/5/6 Rabbit Polyclonal Antibody  
产品货号: APRab15709



## 产品概述 (Summary)

|                        |                                     |
|------------------------|-------------------------------------|
| 产品名称 (Production Name) | PAK4/5/6 Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody          |
| 宿主 (Host)              | Rabbit                              |
| 应用 (Application)       | WB,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)        | PAK4 PAK5 PAK6                                                                                                            |
| 别名 (Alternative Names) | PAK4; KIAA1142; Serine/threonine-protein kinase PAK 4; p21-activated kinase 4; PAK-4                                      |
| 基因 ID (Gene ID)        | 10298.0                                                                                                                   |
| 蛋白 ID (SwissProt ID)   | O96013;Q9P286;Q9NQ5. The antiserum was produced against synthesized peptide derived from human PAK4/5/6. AA range:441-490 |

## 产品应用 (Application)

|                          |                                       |
|--------------------------|---------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,ELISA 1:10000-1:20000 |
| 蛋白分子量 (Molecular Weight) | 80kDa                                 |

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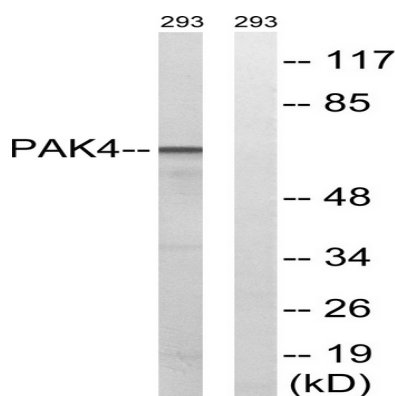
## 研究背景 (Background)

PAK proteins, a family of serine/threonine p21-activating kinases, include PAK1, PAK2, PAK3 and PAK4. PAK proteins are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. They serve as targets for the small GTP binding proteins Cdc42 and Rac and have been implicated in a wide range of biological activities. PAK4 interacts specifically with the GTP-bound form of Cdc42Hs and weakly activates the JNK family of MAP kinases. PAK4 is a mediator of filopodia formation and may play a role in the reorganization of the actin cytoskeleton. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008], catalytic activity: ATP + a protein = ADP + a phosphoprotein., function: Activates the JNK pathway. Plays a role in the reorganization of the actin cytoskeleton and in the formation of filopodia. Phosphorylates and inactivates the protein phosphatase SSH1, leading to increased inhibitory phosphorylation of the actin binding/depolymerizing factor cofilin. Decreased cofilin activity may lead to stabilization of actin filaments. Phosphorylates ARHGEF2., PTM: Autophosphorylated on serine residues when activated by CDC42/p21., PTM: Phosphorylated on tyrosine residues upon stimulation of FGFR2., similarity: Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily., similarity: Contains 1 CRIB domain., similarity: Contains 1 protein kinase domain., subunit: Interacts with FGFR2 and GRB2 (By similarity). Interacts tightly with GTP-bound but not GDP-bound CDC42/p21 and weakly with RAC1. Interacts with its substrate ARHGEF2., tissue specificity: Highest expression in prostate, testis and colon.,

## 研究领域 (Research Area)

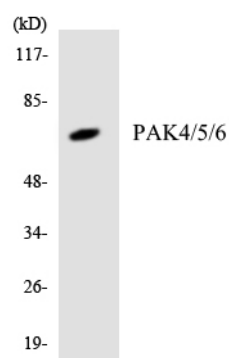
ErbB\_HER; Axon guidance; Focal adhesion; T\_Cell\_Receptor; Regulates Actin and Cytoskeleton; Renal cell carcinoma;

## 图片 (Image Data)



Western blot analysis of lysates from K562 cells, treated with PMA 125ng/ml 30', using PAK4/5/6 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western blot analysis of the lysates from Jurkat cells using PAK4/5/6 antibody.

### 注意事项 (Note)

For research use only .