

产品名称: Rsk-1/2/3/4 (phospho Ser221/227/S218/232)  
Rabbit Polyclonal Antibody  
产品货号: APRab05394



## 产品概述 (Summary)

|                        |                                                                      |
|------------------------|----------------------------------------------------------------------|
| 产品名称 (Production Name) | Rsk-1/2/3/4 (phospho Ser221/227/S218/232) 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                                                          |

## 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)        | RPS6KA1                                                                                                                                                                                                                                          |
| 别名 (Alternative Names) | RPS6KA1; MAPKAPK1A; RSK1; Ribosomal protein S6 kinase alpha-1; S6K-alpha-1; 90 kDa ribosomal protein S6 kinase 1; p90-RSK 1; p90RSK1; p90S6K; MAP kinase-activated protein kinase 1a; MAPK-activated protein kinase 1a; MAPKAP kinase 1a; MAPKAP |
| 基因 ID (Gene ID)        | 6195/6197/6196/27330                                                                                                                                                                                                                             |
| 蛋白 ID (SwissProt ID)   | Q15418/P51812/Q15349/Q9UK32.The antiserum was produced against synthesized peptide derived from human RSK1/2/3/4 around the phosphorylation site of Ser221/227/S218/232. AA range:191-240                                                        |

## 产品应用 (Application)

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**稀释比 (Dilution Ratio)** WB 1:500-1:2000,ELISA 1:20000-1:40000  
**蛋白分子量 (Molecular Weight)** 85kDa

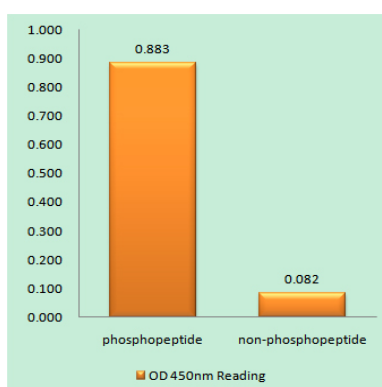
## 研究背景 (Background)

ribosomal protein S6 kinase A1(RPS6KA1) Homo sapiens This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 nonidentical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008],catalytic activity:ATP + a protein = ADP + a phosphoprotein.,caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,cofactor:Magnesium.,enzyme regulation:Activated by multiple phosphorylations on threonine and serine residues.,function:Serine/threonine kinase that may play a role in mediating the growth-factor and stress induced activation of the transcription factor CREB.,PTM:Autophosphorylated on Ser-380, as part of the activation process.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. S6 kinase subfamily.,similarity:Contains 1 AGC-kinase C-terminal domain.,similarity:Contains 2 protein kinase domains.,subunit:Forms a complex with either ERK1 or ERK2 in quiescent cells. Transiently dissociates following mitogenic stimulation.,

## 研究领域 (Research Area)

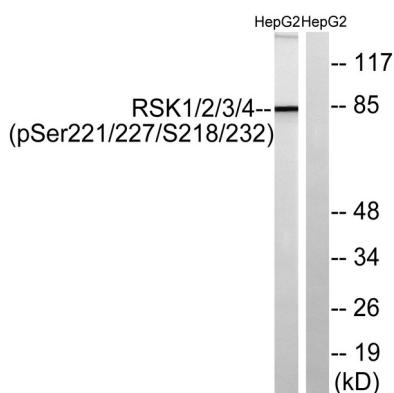
Regulates Angiogenesis; Insulin Receptor; B Cell Receptor; AMPK

## 图片 (Image Data)



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using RSK1/2/3/4 (Phospho-Ser221/227/S218/232) Antibody

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Western blot analysis of lysates from HepG2 cells treated with EGF 200ng/ml 30', using RSK1/2/3/4 (Phospho-Ser221/227/S218/232) Antibody. The lane on the right is blocked with the phospho peptide.

#### 注意事项 (Note)

For research use only.