

**产品名称: Ribosomal Protein S6 Rabbit Polyclonal Antibody**  
**产品货号: APRab17189**



## 产品概述 (Summary)

|                        |                                                 |
|------------------------|-------------------------------------------------|
| 产品名称 (Production Name) | Ribosomal Protein S6 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)   | 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)        | RPS6                                                                                                                    |
| 别名 (Alternative Names) | RPS6; OK/SW-cl.2; 40S ribosomal protein S6; Phosphoprotein NP33                                                         |
| 基因 ID (Gene ID)        | 6194.0                                                                                                                  |
| 蛋白 ID (SwissProt ID)   | P62753.The antiserum was produced against synthesized peptide derived from human S6 Ribosomal Protein. AA range:191-240 |

## 产品应用 (Application)

|                          |                                                                          |
|--------------------------|--------------------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000 |
| 蛋白分子量 (Molecular Weight) | 28kDa                                                                    |

## 研究背景 (Background)

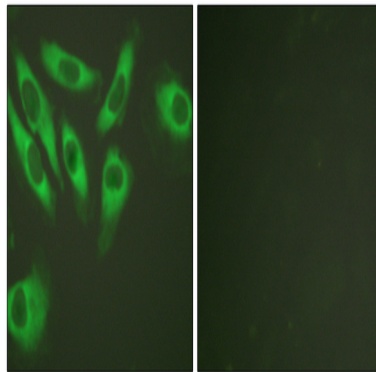
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Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a cytoplasmic ribosomal protein that is a component of the 40S subunit. The protein belongs to the S6E family of ribosomal proteins. It is the major substrate of protein kinases in the ribosome, with subsets of five C-terminal serine residues phosphorylated by different protein kinases. Phosphorylation is induced by a wide range of stimuli, including growth factors, tumor-promoting agents, and mitogens. Dephosphorylation occurs at growth arrest. The protein may contribute to the control of cell growth and proliferation through the selective translation of particular classes of mRNA. As is typical for genes encoding ribosomal proteins, there are multiple processed function: May play an important role in controlling cell growth and proliferation through the selective translation of particular classes of mRNA., PTM: Ribosomal protein S6 is the major substrate of protein kinases in eukaryote ribosomes. The phosphorylation is stimulated by growth factors, tumor promoting agents, and mitogens. It is dephosphorylated at growth arrest., similarity: Belongs to the ribosomal protein S6e family.,

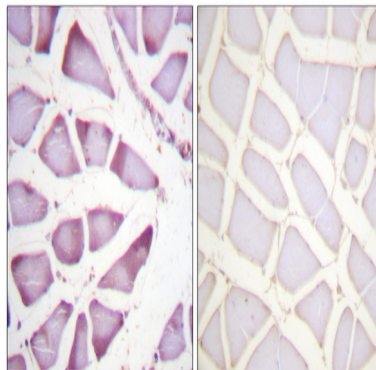
## 研究领域 (Research Area)

Ribosome; mTOR; Insulin\_Receptor;

## 图片 (Image Data)



Immunofluorescence analysis of HeLa cells, using S6 Ribosomal Protein Antibody. The picture on the right is blocked with the synthesized peptide.

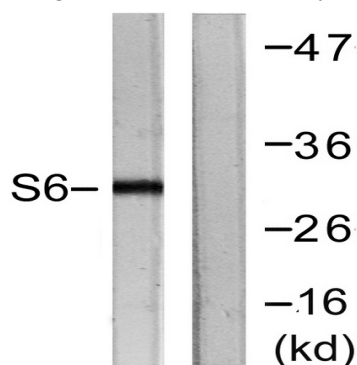


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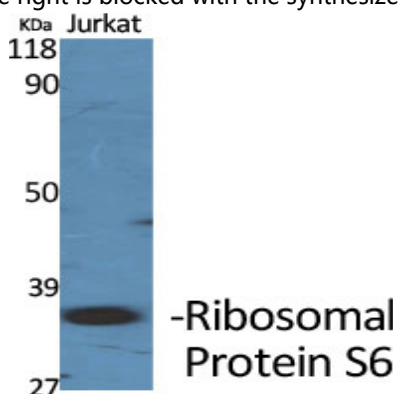
Immunohistochemistry analysis of paraffin-embedded human skeletal muscle tissue, using S6 Ribosomal Protein Antibody.

The picture on the right is blocked with the synthesized peptide.

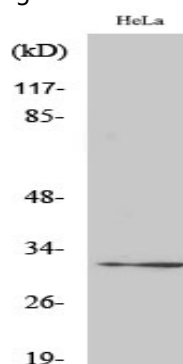


Western blot analysis of lysates from HeLa cells, treated with TNF- $\alpha$  20ng/ml 2', using S6 Ribosomal Protein Antibody. The

lane on the right is blocked with the synthesized peptide.

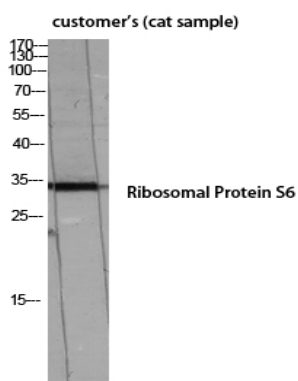


Western Blot analysis of various cells using Ribosomal Protein S6 Polyclonal Antibody diluted at 1: 2000

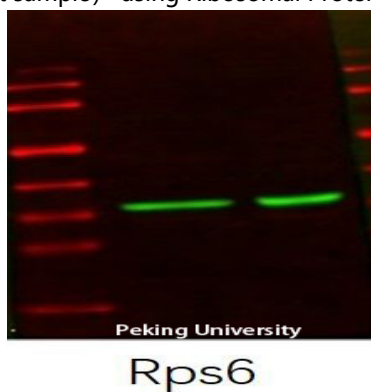


Western Blot analysis of HeLa cells using Ribosomal Protein S6 Polyclonal Antibody diluted at 1: 2000

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Western Blot analysis of customer 's (cat sample) using Ribosomal Protein S6 Polyclonal Antibody diluted at 1: 2000



The picture was kindly provided by our customer

### 注意事项 (Note)

For research use only .