

# Phospho-S6 Ribosomal Protein (RPS6)-S235/236 Rabbit mAb

[www.abclonal.com](http://www.abclonal.com)Catalog No.: AP1325 **Recombinant** **1 Publications**

## Basic Information

**Observed MW**

32kDa/32 kDa

**Calculated MW**

29kDa

**Category**

Primary antibody

**Applications**

WB, IHC-P, ELISA

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC53843

## Background

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 pseudogenes of this gene dispersed through the genome.

## Recommended Dilutions

**WB** 1:2000 - 1:7000**IHC-P** 1:100 - 1:500

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**

6194

**Swiss Prot**

P62753

**Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**

S6; eS6; Phospho-S6 Ribosomal Protein (RPS6)-S235/236

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

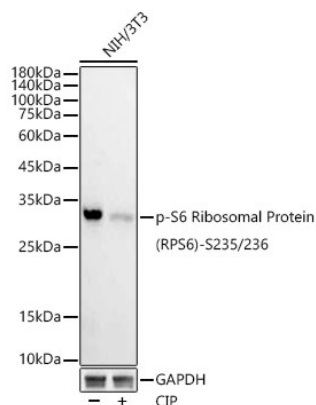
Affinity purification

**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data



Western blot analysis of lysates from NIH/3T3 cells, using Phospho-S6 Ribosomal Protein (RPS6)-S235/236 Rabbit mAb (AP1325) at 1:6000 dilution. NIH/3T3 cells were treated with CIP(20uL/400ul) at 37°C for 1 hour.

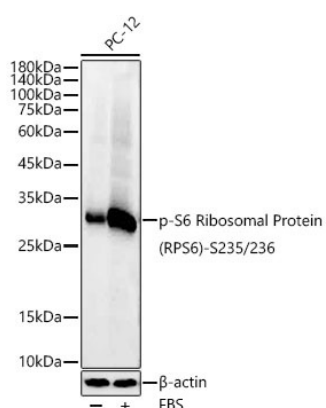
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 20s.



Western blot analysis of lysates from PC-12 cells, using Phospho-S6 Ribosomal Protein (RPS6)-S235/236 Rabbit mAb (AP1325) at 1:6000 dilution. PC-12 cells were treated with 10% FBS at 37°C for 30 minutes after serum-starvation overnight.

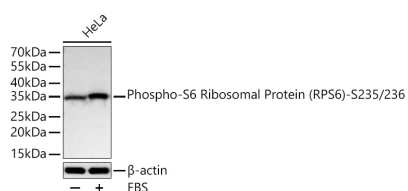
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 20s



Western blot analysis of lysates from HeLa cells using Phospho-S6 Ribosomal Protein (RPS6)-S235/236 Rabbit mAb (AP1325) at 1:2000 dilution incubated overnight at 4°C. HeLa cells were treated with 10% FBS at 37°C for 30 minutes after serum-starvation overnight.

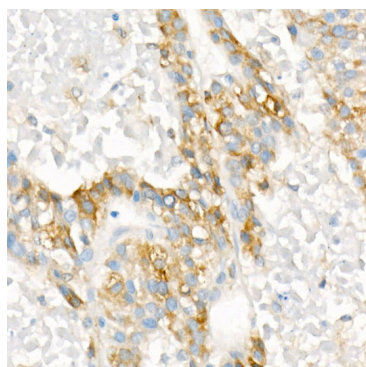
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 µg per lane.

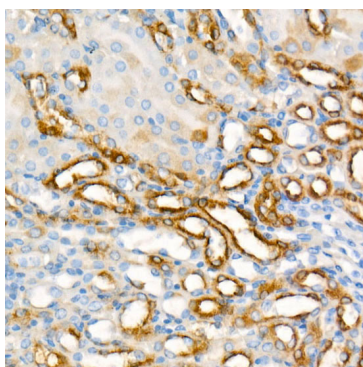
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1 s.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using

# Validation Data

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Phospho-S6 Ribosomal Protein (RPS6)-  
S235/236 Rabbit mAb (AP1325) at dilution of  
1:500 (40x lens). Microwave antigen retrieval  
performed with 0.01M PBS Buffer (pH 7.2)  
prior to IHC staining.

Phospho-S6 Ribosomal Protein (RPS6)-  
S235/236 Rabbit mAb (AP1325) at dilution of  
1:500 (40x lens). Microwave antigen retrieval  
performed with 0.01M PBS Buffer (pH 7.2)  
prior to IHC staining.