AP0296

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

Catalog No.: AP0296 2 Publications

Basic Information

Observed MW
29kDa

Calculated MW
29kDa

Category
Polyclonal Antibody

Applications
WB

Cross-Reactivity
Human

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	1:500 - 1:2000

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

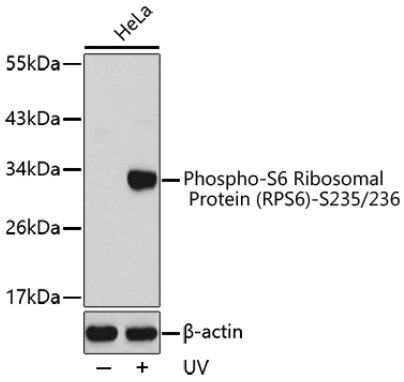
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of lysates from HeLa cells untreated or treated with UV using Phospho-S6 Ribosomal Protein (RPS6)-S235/236 Rabbit pAb (AP0296).
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.