Phospho-RPS6-S240/244 Rabbit Polyclonal **Antibody**



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

CABP0537

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

36kDa

Calculated MW:

28kDa

Applications:

WB IP

Reactivity:

Human, Mouse

Gene ID: 6194

Protein Background

this gene dispersed through the genome.

Immunogen information

Uniprot P62753

Antibody Information

Recommended dilutions: WB 1:500 - 1:2000 IP 1:50 -

1:100

Source:

Rabbit

Purification: Affinity purification

Isotype: IgG

Synonyms:

RPS6; S6; RPS6

Immunogen:

A synthetic phosphorylated peptide around S240 & S244 of

human RPS6 (NP_001001.2).

Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02%

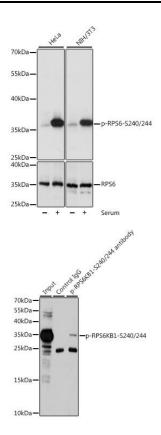
sodium azide, 50% glycerol, pH7.3.

Copyright © 2021 Assay Genie

info@assaygenie.com

www.assaygenie.com

Product Images



Western blot analysis of extracts of various cell lines, using Phospho-RPS6KB1-S240/244 antibody (CABP0537) at 1:1000 dilution or RPS6 antibody (CAB6058). HeLa cells were treated by 10% FBS at 37'C for 30 minutes after serumstarvation overnight. NIH/3T3 cells were treated by 10% FBS at 37'C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (CABM00020). Exposure time: 1s.

Immunoprecipitation analysis of 200ug extracts of 293T cells, using 3 ug Phospho-RPS6-S240/244 pAb (CABP0537). Western blot was performed from the immunoprecipitate using Phospho-RPS6-S240/244 pAb (CABP0537) at a dilition of 1:1000. 293T cells were treated by PMA/TPA (200 nM) at 37'C for 30 minutes after serum-starvation overnight.