

Product datasheet for TA381118S

RPS6 Rabbit Polyclonal Antibody

Product data:

OriGene Technologies, Inc.

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Product Type:	Primary Antibodies
Applications:	IHC, IP, WB
Recommended Dilution:	WB,1:500 - 1:2000 IHC,1:50 - 1:200 IP,1:50 - 1:100
Reactivity:	Human, Mouse, Rat
Modifications:	Phospho S240/244
Host:	Rabbit
lsotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic phosphorylated peptide around S240 & S244 of human RPS6 (NP_001001.2).
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	28kDa
Gene Name:	ribosomal protein S6
Database Link:	<u>Entrez Gene 6194 Human</u> <u>P62753</u>



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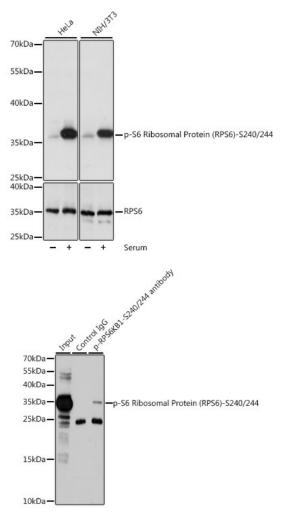
GRIGENE RPS6 Rabbit Polyclonal Antibody – TA381118S

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.

Synonyms:

RPS6

Product images:



Western blot analysis of extracts of various cell lines, using Phospho-S6 Ribosomal Protein (RPS6)-S240/244 antibody ([TA381118]) at 1:1000 dilution or RPS6 antibody (A6058). HeLa cells were treated by 10% FBS at 37°C for 30 minutes after serum-starvation 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) at 1:10000 dilution. |Lysates/proteins: 25ug per lane. |Blocking buffer: 3% BSA. |Detection: ECL Basic Kit . |Exposure time: 1s.

Immunoprecipitation analysis of 200ug extracts of 293T cells, using 3 ug Phospho-S6 Ribosomal Protein (RPS6)-S240/244 pAb ([TA381118]). Western blot was performed from the immunoprecipitate using Phospho-RPS6-S240/244 pAb ([TA381118]) 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.

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