

Product datasheet for **AP20711PU-M**

RPS6 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	Western blot: 1/500 - 1/1000. Immunofluorescence: 1/50 - 1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of Ribosomal Protein S6 protein. (region surrounding Ala229)
Formulation:	Phosphate buffered saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction Preservative: 15 mM sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen; purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 32 kDa
Gene Name:	ribosomal protein S6
Database Link:	<u>Entrez Gene 20104 Mouse</u> <u>Entrez Gene 29304 Rat</u> <u>Entrez Gene 6194 Human</u> <u>P62753</u>



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Background:

Ribosomal protein S6 is a component of the small 40S ribosomeal subunit and 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:

Phosphoprotein NP33, 40S ribosomal protein S6

Protein Pathways:

Insulin signaling pathway, mTOR signaling pathway, Ribosome

Product images:


Hela whole cell lysate

Ribosomal Protein S6 (A229) pAb at 1:500 dilution

Western blot (WB) analyzes of Ribosomal Protein S6 antibody (Cat.-No.: [AP20711PU-N]) in extracts from hela cells.