Anti-RPS6 antibody

Description	Goat polyclonal to RPS6. Ribosomal protein S6 is a component of the 40S ribosomal subunit and is therefore involved in regulating translation ,Äì ribosome marker. Studies have also shown to be involved in cell proliferation, regulation of cell size and glucose homeostasis. It is the major substrate of protein kinases in the ribosome, with subsets of five C-terminal serine residues phosphorylated by different protein kinases.

Model	STJ140049
Host	Goat
Reactivity	Avian, Bovine, Canine, Donkey, Feline, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Other, Porcine, Rabbit, Rat, Sheep, Simian
Applications	IF, WB
Immunogen	Recombinant peptide derived from within residues 190 aa to the C-terminus of human RPS6 produced in E. coli.
Immunogen Region	C-Term
Gene ID	6194
Gene Symbol	RPS6
Dilution range	Western blot 1:500-1:2,000 Immunofluorescence 1:25-1:250 Immunohistochemistry (paraffin) ND Immunohistochemistry (frozen) ND
Purification	This antibody is epitope-affinity purified from goat antiserum.
Note	For research use only (RUO).
Protein Name	40S ribosomal protein S6 Phosphoprotein NP33 Small ribosomal subunit protein eS6

Molecular Weight	29 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS, 20% glycerol and 0.05% sodium azide.
Concentration	3 mg/mL
Storage Instruction	Store at -20°, and avoid repeated freeze-thaw cycles.
Database Links	HGNC:10429OMIM:180460
Alternative Names	40S ribosomal protein S6 Phosphoprotein NP33 Small ribosomal subunit protein eS6
Function	May play an important role in controlling cell growth and proliferation through the selective translation of particular classes of mRNA.
Post-translational Modifications	Ribosomal protein S6 is the major substrate of protein kinases in eukaryote ribosomes. The phosphorylation is stimulated by growth factors, tumor promoting agents, and mitogens. It is dephosphorylated at growth arrest. Phosphorylated at Ser-235 and Ser-236 by RPS6KA1 and RPS6KA3; phosphorylation at these sites facilitates the assembly of the preinitiation complex.