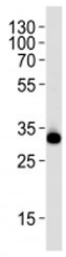
RPS6 Antibody (F40577)

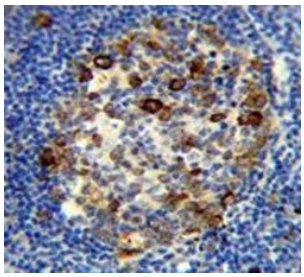
Catalog No.	Formulation	Size
F40577-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40577-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

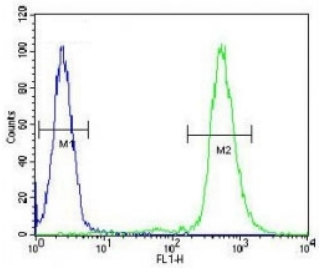
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat, Bovine, Primate, Chicken, Xenopus
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P62753
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100 Flow Cytometry : 1:10-1:50
Limitations	This RPS6 antibody is available for research use only.



Western blot analysis of lysate from HeLa cell line using RPS6 antibody at 1:1000. Predicted molecular weight ~29 kDa.



RPS6 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue.



RPS6 antibody flow cytometric analysis of WiDr cells (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

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.

Application Notes

Titration of the RPS6 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 220-249 from the human protein was used as the immunogen for this RPS6 antibody.

Storage

Aliquot the RPS6 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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