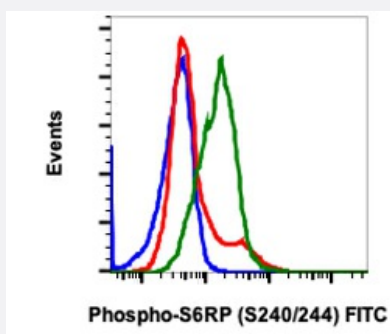


RecomAb™

# RPS6 recombinant monoclonal antibody, clone S6RPS240244-CD10 (FITC)

Catalog # RAB03054      Size 100 Reactions

## Applications



### Flow Cytometry

Flow cytometric analysis of K562 cells, untreated and unstained as negative control (blue) or untreated (red) or treated with EGF A (green) and stained using Phospho-S6 ribosomal protein (Ser240/Ser244) antibody S6S240S244-CD10 FITC conjugate.

## Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human RPS6.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Ser240/244 of human phospho S6 Ribosomal protein
Reactivity	Human
Form	Liquid
Conjugation	FITC
Purification	Protein A purification, Protein G purification
Isotype	IgG
Recommend Usage	Flow Cytometry The optimal working dilution should be determined by the end user.

Storage Buffer	1X PBS, 0.09% Sodium azide, 0.2% BSA
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Flow Cytometry

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## Gene Info — RPS6

Entrez GeneID	<a href="#">6194</a>
Protein Accession#	<a href="#">P62753</a>
Gene Name	RPS6
Gene Alias	-
Gene Description	ribosomal protein S6
Omim ID	<a href="#">180460</a>
Gene Ontology	<a href="#">Hyperlink</a>

Gene Summary	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. [provided by RefSeq]
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Other Designations	40S ribosomal protein S6 OTTHUMP00000021120 phosphoprotein NP33
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## Pathway

- [Insulin signaling pathway](#)
- [mTOR signaling pathway](#)
- [Ribosome](#)