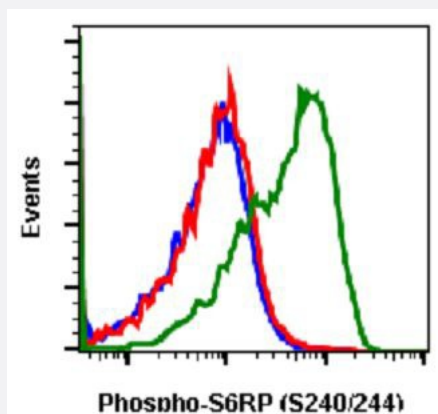


RPS6 (phospho S240/S244) monoclonal antibody, clone CD10

Catalog # MAB19061

Size 200 uL

Applications



Flow Cytometry

Flow cytometric analysis of K562 cells, unstained untreated cells as negative control (blue) or stained untreated (red) or treated with EGF A (green) using RPS6 (phospho S240/S244) monoclonal antibody.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human RPS6.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding S240/S244 of human RPS6.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A/G Purification
Isotype	IgG1k
Recommend Usage	Flow Cytometry (1 ug/mL - 0.001 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.02% sodium azide, 0.1% BSA).
Storage Instruction	Store at -20°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

Flow cytometric analysis of K562 cells, unstained untreated cells as negative control (blue) or stained untreated (red) or treated with EGF A (green) using RPS6 (phospho S240/S244) monoclonal antibody.

Gene Info — RPS6

Entrez GeneID [6194](#)

Gene Name RPS6

Gene Alias -

Gene Description ribosomal protein S6

Omim ID [180460](#)

Gene Ontology [Hyperlink](#)

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]

Other Designations 40S ribosomal protein S6|OTTHUMP00000021120|phosphoprotein NP33

Pathway

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