

RPS6 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP1977a**Specification****RPS6 Antibody (N-term) Blocking Peptide -
Product Information**Primary Accession [P62753](#)**RPS6 Antibody (N-term) Blocking Peptide -
Additional Information**

Gene ID 6194

Other Names40S ribosomal protein S6, Phosphoprotein
NP33, RPS6**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP1977a](/product/products/AP1977a) was selected from the N-term region of human RPS6. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**RPS6 Antibody (N-term) Blocking Peptide -
Protein Information****Name** RPS6{ECO:0000303|PubMed:29563586,
ECO:0000312|HGNC:HGNC:10429}**RPS6 Antibody (N-term) Blocking Peptide -
Background**

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. RPS6 is 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.

**RPS6 Antibody (N-term) Blocking Peptide -
References**

Lott J.B., Gene 65:31-39(1988).Heinze H., J. Biol. Chem. 263:4139-4144(1988).Antoine M., Hum. Mol. Genet. 1:565-570(1992).Pata I., Gene 121:387-392(1992).

Function

Component of the 40S small ribosomal subunit (PubMed:8706699). Plays an important role in controlling cell growth and proliferation through the selective translation of particular classes of mRNA (PubMed:17220279).

RPS6 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)