

RPS6KB2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP8009c**Specification**

RPS6KB2 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9UBS0](#)**RPS6KB2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 6199**Other Names**

Ribosomal protein S6 kinase beta-2, S6K-beta-2, S6K2, 70 kDa ribosomal protein S6 kinase 2, P70S6K2, p70-S6K 2, S6 kinase-related kinase, SRK, Serine/threonine-protein kinase 14B, p70 ribosomal S6 kinase beta, S6K-beta, p70 S6 kinase beta, p70 S6K-beta, p70 S6KB, p70-beta, RPS6KB2, STK14B

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8009c](/product/products/AP8009c) was selected from the Center region of human RPS6KB2. 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.

RPS6KB2 Antibody (Center) Blocking Peptide - Protein Information**Name** RPS6KB2**Synonyms** STK14B**Function**

Phosphorylates specifically ribosomal protein S6 (PubMed: [29750193](http://www.uniprot.org/citations/29750193)). Seems to act downstream of mTOR signaling in response to growth factors and nutrients to promote cell proliferation, cell growth and cell cycle progression in an alternative pathway regulated by MEAK7 (PubMed: [29750193](http://www.uniprot.org/citations/29750193)).

Cellular Location

Cytoplasm. Nucleus.

RPS6KB2 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RPS6KB2 Antibody (Center) Blocking Peptide - Images

RPS6KB2 Antibody (Center) Blocking Peptide - Background

RPS6KB2 is a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 nonidentical kinase catalytic domains and phosphorylates the S6 ribosomal protein and eucaryotic translation initiation factor 4B. Phosphorylation of S6 leads to an increase in protein synthesis and cell proliferation.

RPS6KB2 Antibody (Center) Blocking Peptide - References

Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002). Lee-Fruman, K.K., et al., Oncogene 18(36):5108-5114 (1999). Saitoh, M., et al., Biochem. Biophys. Res. Commun. 253(2):470-476 (1998). Gout, I., et al., J. Biol. Chem. 273(46):30061-30064 (1998).