

p70 S6Kbeta Blocking Peptide (N-term)

Synthetic peptide

Catalog # BP8009d

Specification

p70 S6Kbeta Blocking Peptide (N-term) - Product Information

Primary Accession

[O9UBS0](#)

Other Accession

[O9Z1M4](#)**p70 S6Kbeta Blocking Peptide (N-term) - 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 is selected from aa 5-19 of HUMAN RPS6KB2

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.

p70 S6Kbeta Blocking Peptide (N-term) - Protein Information**Name** RPS6KB2**Synonyms** STK14B**Function**

Phosphorylates specifically ribosomal protein S6 (PubMed: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).

Cellular Location

Cytoplasm. Nucleus.

p70 S6Kbeta Blocking Peptide (N-term) - Protocols

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

- [Blocking Peptides](#)

p70 S6Kbeta Blocking Peptide (N-term) - Images

p70 S6Kbeta Blocking Peptide (N-term) - Background

This gene encodes 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.

p70 S6Kbeta Blocking Peptide (N-term) - References

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Lekmine, F., et al., Exp. Cell Res. 295(1):173-182 (2004).
Shao, J., et al., Cancer Res. 64(1):229-235 (2004).
An, W.L., et al., Am. J. Pathol. 163(2):591-607 (2003).
Levy, Y., et al., J. Biol. Chem. 278(16):14533-14542 (2003).