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RSK3 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP7943a

Specification

RSK3 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q15349

RSK3 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 6196

Other Names
Ribosomal protein S6 kinase alpha-2, S6K-alpha-2, 90 kDa ribosomal protein S6 kinase 2, p90-RSK 2, p90RSK2, MAP kinase-activated protein kinase 1c, MAPK-activated protein kinase 1c, MAPKAP kinase 1c, MAPKAPK-1c, Ribosomal S6 kinase 3, RSK-3, pp90RSK3, RPS6KA2, MAPKAPK1C, RSK3

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7943a was selected from the C-term region of human RSK3 . 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.

RSK3 Antibody (C-term) Blocking Peptide - Background

RSK3, a member of the S6 kinase subfamily of Ser/Thr protein kinases, phosphorylates a wide range of substrates including ribosomal protein S6. It is implicated in the activation of the mitogen-activated kinase cascade. This nuclear protein is expressed in many tissues, with highest expression in lung and skeletal muscle.

RSK3 Antibody (C-term) Blocking Peptide - References

Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002).Zhao, Y., et al., Mol. Cell. Biol. 15(8):4353-4363 (1995).Moller, D.E., et al., Am. J. Physiol. 266 (2 Pt 1), C351-C359 (1994).

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RSK3 Antibody (C-term) Blocking Peptide - Protein Information

Name RPS6KA2

Synonyms MAPKAPK1C, RSK3

Function
Serine/threonine-protein kinase that acts downstream of ERK (MAPK1/ERK2 and MAPK3/ERK1) signaling and mediates mitogenic and stress-induced activation of transcription factors, regulates translation, and mediates cellular proliferation, survival, and differentiation. May function as tumor suppressor in epithelial ovarian cancer cells.

Cellular Location
Nucleus. Cytoplasm

Tissue Location
Widely expressed with higher expression in lung, skeletal muscle, brain, uterus, ovary, thyroid and prostate

RSK3 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides