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RBKS (RBSK) Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP7182a

Specification

RBKS (RBSK) Antibody (N-term) Blocking peptide - Product Information

Primary Accession Q9H477

RBKS (RBSK) Antibody (N-term) Blocking peptide - Additional Information

Gene ID 64080

Other Names
Ribokinase, RBKS, RBSK

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7182a was selected from the N-term region of human RBSK. 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.

RBKS (RBSK) Antibody (N-term) Blocking peptide - Protein Information

Name RBKS {ECO:0000255|HAMAP-Rule:MF_03215}

Synonyms RBSK

Function
Catalyzes the phosphorylation of ribose at O-5 in a reaction requiring ATP and magnesium. The resulting D-ribose-5-phosphate can then be used either for sythesis of nucleotides, histidine, and tryptophan, or as a component of the pentose phosphate pathway.

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:P25332, ECO:0000255|HAMAP-Rule:MF_03215}. Nucleus {ECO:0000250|UniProtKB:P25332, ECO:0000255|HAMAP-Rule:MF_03215}

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RBKS (RBSK) Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

RBKS (RBSK) Antibody (N-term) Blocking peptide - Images

RBKS (RBSK) Antibody (N-term) Blocking peptide - Background

RBSK belongs to the pfkB family of carbohydrate kinases. It phosphorylates ribose to form ribose-5-phosphate in the presence of ATP and magnesium as a first step in ribose metabolism.

RBKS (RBSK) Antibody (N-term) Blocking peptide - References

Bork, P., et al., Protein Sci. 2(1):31-40 (1993).