

**RBKS (RBSK) Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP7182a****Specification**

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**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](/product/products/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 synthesis 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}

**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).