

RBKS (RBSK) Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7182a**Specification**

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

Application	WB, IHC-P,E
Primary Accession	Q9H477
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34143
Antigen Region	16-46

RBKS (RBSK) Antibody (N-term) - Additional Information**Gene ID** 64080**Other Names**

Ribokinase, RBKS, RBSK

Target/Specificity

This RBKS (RBSK) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 16-46 amino acids from the N-terminal region of human RBKS (RBSK).

Dilution

WB~~1:1000

IHC-P~~1:50~100

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

RBKS (RBSK) Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RBKS (RBSK) Antibody (N-term) - 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

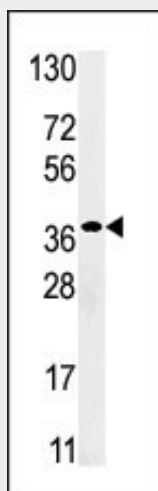
Cytoplasm {ECO:0000250|UniProtKB:P25332, ECO:0000255|HAMAP-Rule:MF_03215}. Nucleus {ECO:0000250|UniProtKB:P25332, ECO:0000255|HAMAP-Rule:MF_03215}

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

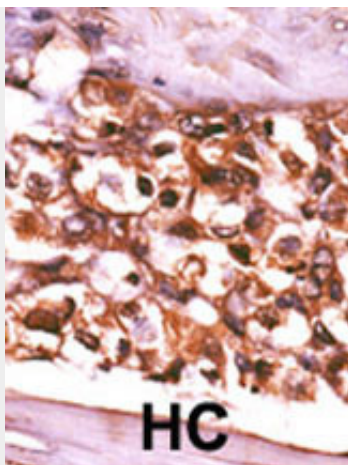
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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



Western blot analysis of anti-RBSK Pab(Cat. #AP7182a) in HepG2 cell line lysate (35ug/lane). RBSK(arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

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

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