

RBKS Rabbit pAb

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Catalog # AP59067

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9H477
Reactivity	Rat, Mouse
Predicted	Pig, Dog, Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34143
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RBKS
Epitope Specificity	1-100/322
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	RBKS 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.

Additional Information

Gene ID	64080
Other Names	Ribokinase {ECO:0000255 HAMAP-Rule:MF_03215, ECO:0000303 PubMed:17585908}, RK {ECO:0000255 HAMAP-Rule:MF_03215, ECO:0000303 PubMed:17585908}, 2.7.1.15 {ECO:0000255 HAMAP-Rule:MF_03215, ECO:0000269 PubMed:17585908}, RBKS {ECO:0000255 HAMAP-Rule:MF_03215}, RBSK
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

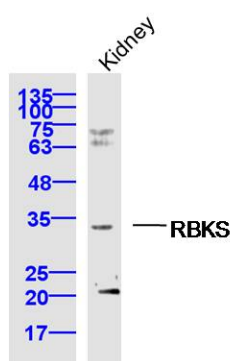
Name	RBKS {ECO:0000255 HAMAP-Rule:MF_03215}
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Synonyms	RBSK
Function	Catalyzes the phosphorylation of ribose at O-5 in a reaction requiring ATP and magnesium. The resulting D-ribose-5-phosphate can then be used either for sythesis of nucleotides, histidine, 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}

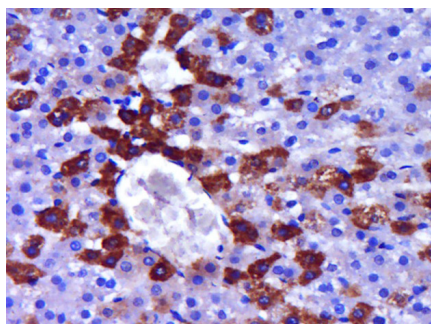
Background

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Images



Sample: Kidney (Mouse) Lysate at 40 ug
 Primary: Anti-RBKS (AP59067) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 35 kD
 Observed band size: 34 kD



Paraformaldehyde-fixed, paraffin embedded (Rat liver);
 Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RBKS) Polyclonal Antibody, Unconjugated (AP59067) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.