

For Research Use Only

RBKS Polyclonal antibody

Catalog Number: 31590-1-AP



Basic Information

Catalog Number:

31590-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG36374

GenBank Accession Number:

BC017425

GeneID (NCBI):

64080

UNIPROT ID:

Q9H477

Full Name:

ribokinase

Observed MW:

34 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:500-1:3000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : THP-1 cells, HepG2 cells

Background Information

RBKS also known as ribokinase, is a member of the carbohydrate kinase PfkB family. The protein encoded by this gene phosphorylates ribose to form ribose-5-phosphate in the presence of ATP and magnesium, which is the first step in ribose metabolism. This process is crucial for the metabolism of ribose, a sugar that is a component of RNA and ATP. In summary, RBKS is an important gene involved in the initial step of ribose metabolism, with its protein product playing a key role in phosphorylating ribose to ribose-5-phosphate, a reaction that is essential for further metabolic processes involving this sugar.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

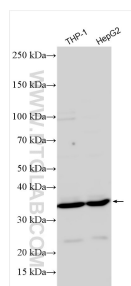
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



THP-1 cells were subjected to SDS PAGE followed by western blot with 31590-1-AP (RBKS antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.