

For Research Use Only

PRPS2 Recombinant antibody

Catalog Number: 85090-5-RR



Basic Information

Catalog Number:

85090-5-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25785

GenBank Accession Number:

BC119662

GeneID (NCBI):

5634

UNIPROT ID:

P11908

Full Name:

phosphoribosyl pyrophosphate synthetase 2

Observed MW:

30-34 kDa

Purification Method:

Protein A purification

CloneNo.:

242657G2

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : Jurkat cells, rat spleen tissue, HeLa cells, HepG2 cells, NIH/3T3 cells, mouse spleen tissue

Background Information

PRPS (phosphoribosyl pyrophosphate synthetase) proteins catalyze the synthesis of phosphoribosyl pyrophosphate (PRPP). Three human PRPS isoforms exist and are encoded by three different genes. PRPS1 and PRPS2 (also known as PRS1 and PRS2, respectively) are ubiquitously expressed, while PRPS3 (also known as PRPS1L1) is specific to the testis. PRPP is an important substrate synthesized from MgATP and ribose-5-phosphate in a reaction that requires inorganic phosphate and magnesium as a cofactor. PRPP is essential in the synthesis of nearly all nucleotides, implying that PRPS proteins play an important role in nucleotide biosynthesis and purine metabolism. PRPS2 is a 318 amino acid protein that exists as a homodimer and a hexamer composed of three homodimers.

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

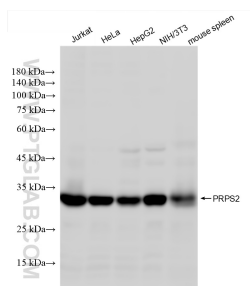
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85090-5-RR (PRPS2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.