

For Research Use Only

# PRPS2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 85090-5-PBS



## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
85090-5-PBS	BC119662	Protein A purification
Source:	GeneID (NCBI):	CloneNo.:
Rabbit	5634	242657G2
Isotype:	UNIPROT ID:	
IgG	P11908	
Immunogen Catalog Number:	Full Name:	
AG25785	phosphoribosyl pyrophosphate synthetase 2	
	Observed MW:	
	30-34 kDa	

## Applications

Tested Applications:  
WB, IF/ICC, Indirect ELISA

Species Specificity:  
human, mouse, rat

## 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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:  
PBS only, pH7.3

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

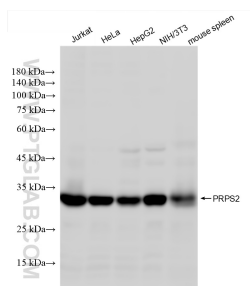
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

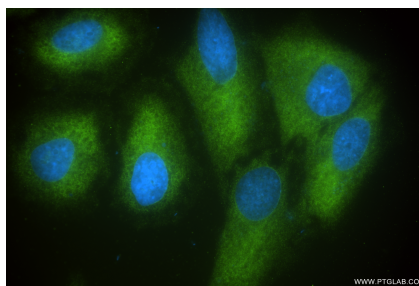
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## Selected Validation Data



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. This data was developed using the same antibody clone with 85090-5-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using PRPS2 antibody (85090-5-RR, Clone: 242657G2 ) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 85090-5-PBS in a different storage buffer formulation.