

For Research Use Only

PRPS2 Polyclonal antibody

Catalog Number: 27024-1-AP **4 Publications**



Basic Information

Catalog Number: 27024-1-AP	GenBank Accession Number: BC119662	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5634	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: phosphoribosyl pyrophosphate synthetase 2	
Isotype: IgG	Observed MW: 30 kDa	
Immunogen Catalog Number: AG25785		

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A375 cells,
Cited Applications: CoIP, IHC, WB	
Species Specificity: human, mouse	
Cited Species: human	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yajing Lv	33186350	PLoS Biol	WB, IHC
Shashank Srivastava	33571115	Sci Adv	CoIP, WB
Diem H Tran	33833463	Nat Metab	WB

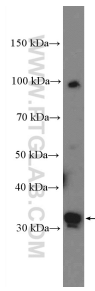
Storage

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

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)
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Selected Validation Data



A375 cells were subjected to SDS PAGE followed by western blot with 27024-1-AP (PRPS2 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.