

For Research Use Only

PRPS1 Polyclonal antibody

Catalog Number: 15549-1-AP **11 Publications**



Basic Information

Catalog Number: 15549-1-AP	GenBank Accession Number: BC001605	Purification Method: Antigen affinity purification
Size: 233 μ g/ml	GeneID (NCBI): 5631	Recommended Dilutions: WB 1:1000-1:6000
Source: Rabbit	UNIPROT ID: P60891	IP 0.5-4.0 μ g for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: phosphoribosyl pyrophosphate synthetase 1	IHC 1:50-1:500
Immunogen Catalog Number: AG7907	Calculated MW: 318 aa, 35 kDa	IF 1:50-1:500
	Observed MW: 35 kDa	

Applications

Tested Applications: WB, IP, IF/ICC, IHC, ELISA	Positive Controls: WB : Jurkat cells, rat spleen tissue, HeLa cells, HEK-293 cells, mouse kidney tissue
Cited Applications: WB, IF, IHC, CoIP	IP : HeLa cells,
Species Specificity: human, mouse, rat	IHC : mouse testis tissue,
Cited Species: human	IF : U-251 cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

PRPS1, also named as Ribose-phosphate pyrophosphokinase 1, is a 318 amino acid protein, which belongs to the ribose-phosphate pyrophosphokinase family. PRPS1 can form Homodimer and the active form is probably a hexamer composed of 3 homodimers. PRPS1 catalyzes the synthesis of phosphoribosylpyrophosphate (PRPP) that is essential for nucleotide synthesis. PRPS1 as a module has an association with the Hepatocellular carcinoma.

Notable Publications

Author	Pubmed ID	Journal	Application
Guohang Xiong	36203561	Front Immunol	WB,IHC
Ronghui Yang	36396642	Nat Commun	WB
Chia-Chun Chang	35833994	Cell Mol Life Sci	IF

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:

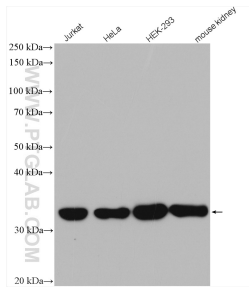
T: 4006900926

E: Proteintech-CN@ptglab.com

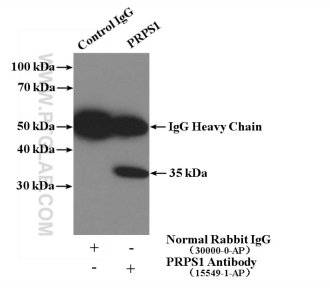
W: ptgcn.com

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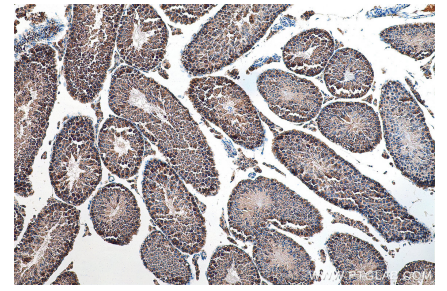
Selected Validation Data



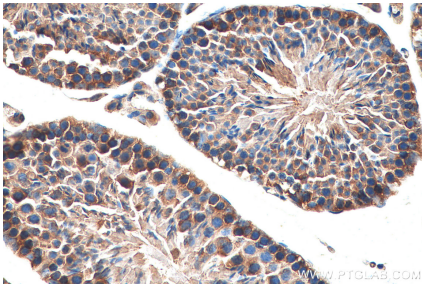
Various lysates were subjected to SDS PAGE followed by western blot with 15549-1-AP (PRPS1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



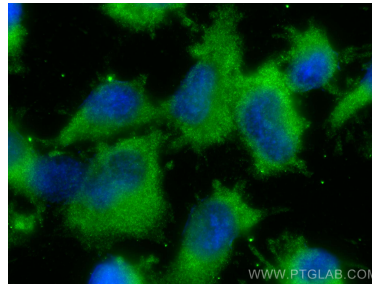
IP result of anti-PRPS1 (IP:15549-1-AP, 4ug; Detection:15549-1-AP 1:100) with HeLa cells lysate 2600ug.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 15549-1-AP (PRPS1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 15549-1-AP (PRPS1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed U-251 cells using PRPS1 antibody (15549-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).