

For Research Use Only

# HPRT Monoclonal antibody

Catalog Number: 67518-1-Ig **Featured Product**



## Basic Information

Catalog Number: 67518-1-Ig	GenBank Accession Number: BC000578	Purification Method: Protein G purification
Concentration: 900 ug/ml	GeneID (NCBI): 3251	CloneNo.: 1C3D1
Source: Mouse	UNIPROT ID: P00492	Recommended Dilutions: WB 1:1000-1:5000 IHC 1:4000-1:16000 IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: hypoxanthine phosphoribosyltransferase 1	
Immunogen Catalog Number: AG7044	Calculated MW: 25 kDa	
	Observed MW: 24-28 kDa	

## Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	IHC : mouse liver tissue, human liver cancer tissue, human colon cancer tissue, human endometrial cancer tissue
	IF/ICC : HeLa cells,

## Background Information

HPRT, also named HPRT1 and HGPRT, plays a central role in the generation of purine nucleotides through the purine salvage pathway. Mutation of HPRT1 is associated with Lesch-Nyhan syndrome (LNS) which is an X-linked inherited neurogenetic disorder of purine metabolism. It has been reported that HPRT1 also plays an important role in HPRT-related gout. 67518-1-Ig antibody detects the protein around 28 kDa in SDS-PAGE. And HPRT1 deficient cell line Sp2/0 was served as a negative control in PTG's results.(PMID:20544509, 28045594, 27379977)

## 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:

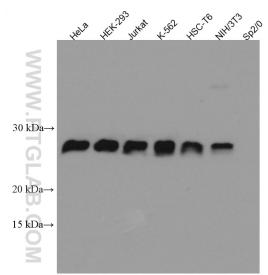
T: 4006900926

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

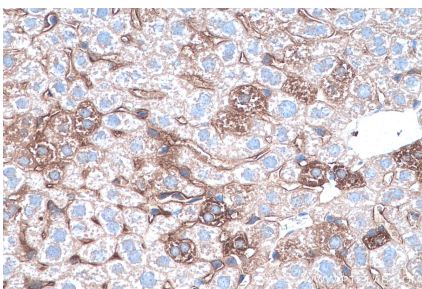
W: [ptgcn.com](http://ptgcn.com)

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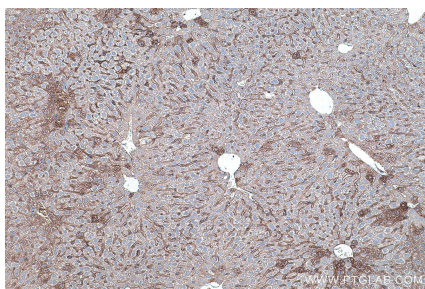
Selected Validation Data



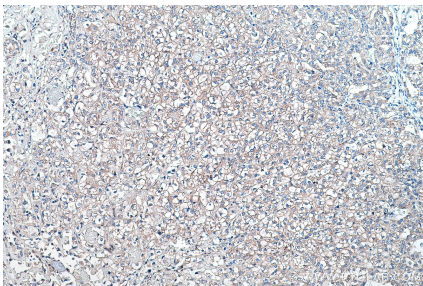
Various lysates were subjected to SDS PAGE followed by western blot with 67518-1-Ig (HPRT antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours. HPRT deficient cell line Sp2/0 was served as a negative control.



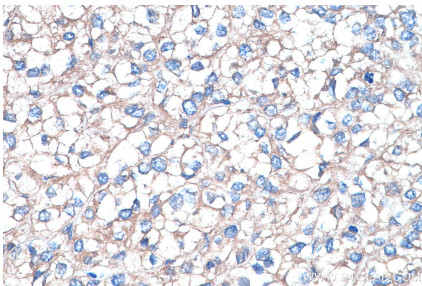
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 67518-1-Ig (HPRT antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



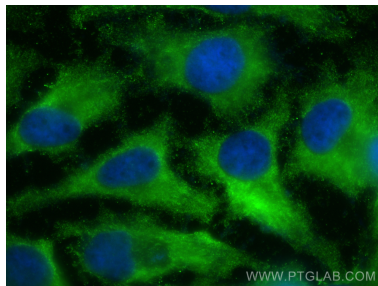
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 67518-1-Ig (HPRT antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



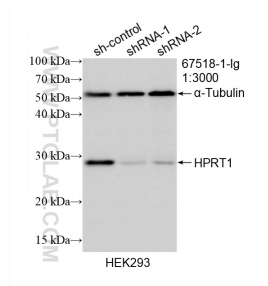
Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue slide using 67518-1-Ig (HPRT antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue slide using 67518-1-Ig (HPRT antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using HPRT antibody (67518-1-Ig, Clone: 1C3D1 ) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).



WB result of HPRT antibody (67518-1-Ig; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HPRT transfected HEK-293 cells.