

For Research Use Only

# HPRT Monoclonal antibody

Catalog Number: 67518-1-Ig

Featured Product



## Basic Information

Catalog Number:

67518-1-Ig

Size:

150ul, Concentration: 900 ug/ml by Nanodrop and 500 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG7044

GenBank Accession Number:

BC000578

GeneID (NCBI):

3251

UNIPROT ID:

P00492

Full Name:

hypoxanthine phosphoribosyltransferase 1

Calculated MW:

25 kDa

Observed MW:

24-28 kDa

Purification Method:

Protein A purification

CloneNo.:

1C3D1

Recommended Dilutions:

WB 1:1000-1:5000

IHC 1:4000-1:16000

IF/ICC 1:400-1:1600

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

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

Positive Controls:

WB: HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells

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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

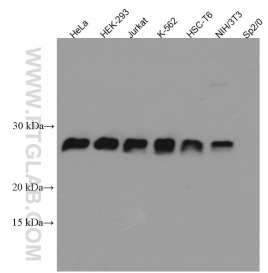
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

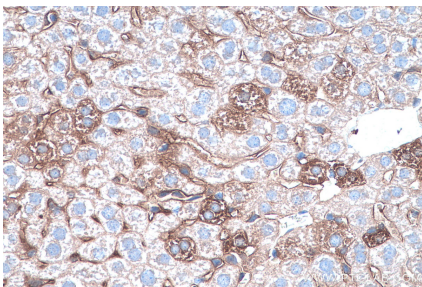
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

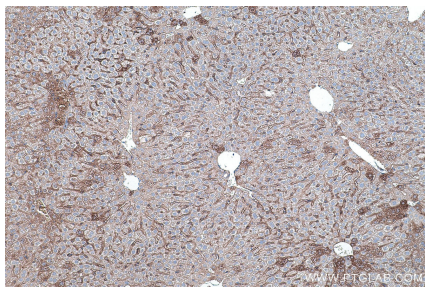
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67518-1-Ig (HPRT antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours. HPRT1 deficient cell line Sp2/0 was served as a negative control.



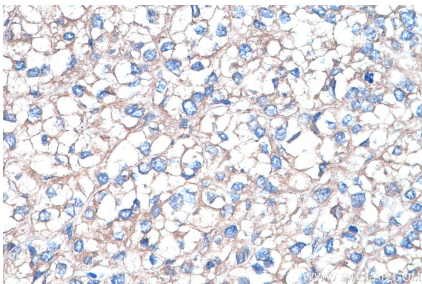
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 67518-1-Ig (HPRT antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



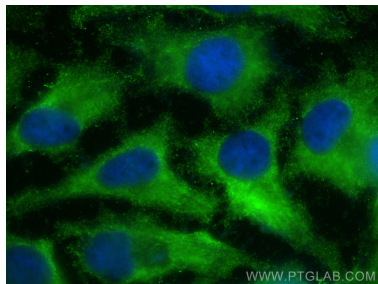
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 67518-1-Ig (HPRT antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



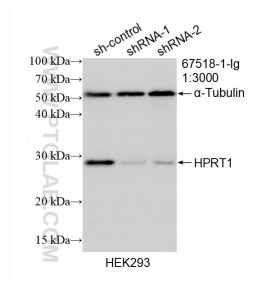
Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue slide using 67518-1-Ig (HPRT antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.