

For Research Use Only

HPRT1 Monoclonal antibody

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



Basic Information

Catalog Number: 67518-1-Ig	GenBank Accession Number: BC000578	Purification Method: Protein A purification
Size: 150ul, Concentration: 900 µg/ml by Nanodrop and 500 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3251	CloneNo.: 1C3D1
Source: Mouse	Full Name: hypoxanthine phosphoribosyltransferase 1	Recommended Dilutions: WB 1:1000-1:5000 IHC 1:4000-1:16000 IF 1:50-1:500
Isotype: IgG1	Calculated MW: 25 kDa	
Immunogen Catalog Number: AG7044	Observed MW: 24-28 kDa	

Applications

Tested Applications:

IF, IHC, WB, 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 : HeLa cells,

Background Information

HPRT1, also named as 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**

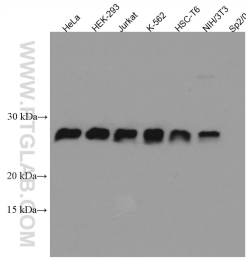
For technical support and original validation data for this product please contact:

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

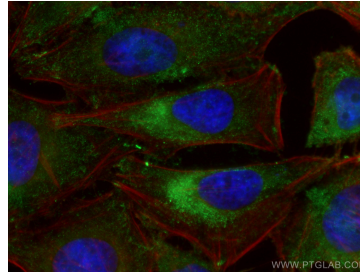
E: proteintech@ptglab.com
W: ptglab.com

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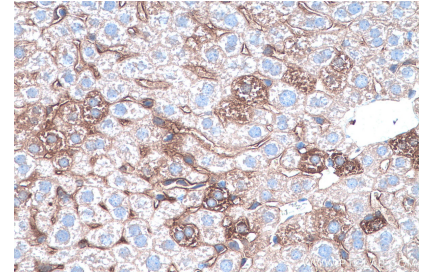
Selected Validation Data



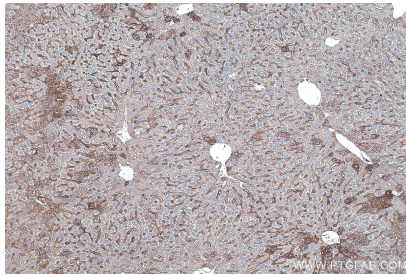
Various lysates were subjected to SDS PAGE followed by western blot with 67518-1-Ig (HPRT1 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours. HPRT1 deficient cell line Sp2/O was served as a negative control.



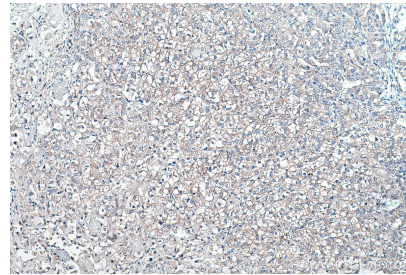
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 67518-1-Ig (HPRT1 antibody) at dilution of 1:100 and Coralite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



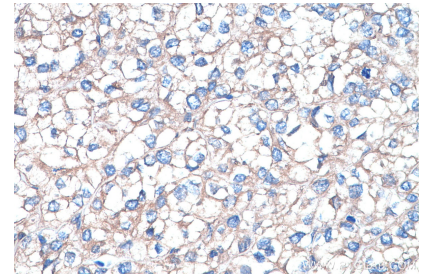
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 67518-1-Ig (HPRT1 antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



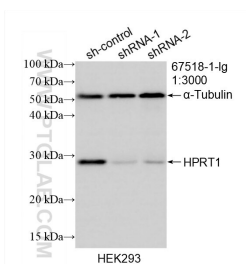
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 67518-1-Ig (HPRT1 antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue slide using 67518-1-Ig (HPRT1 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 (HPRT1 antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of HPRT1 antibody (67518-1-Ig; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HPRT1 transfected HEK-293 cells.