

For Research Use Only

HPRT1 Monoclonal antibody, PBS Only



Catalog Number: 67518-1-PBS

Featured Product

Basic Information

Catalog Number:

67518-1-PBS

Size:

1 mg/ml

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

Applications

Tested Applications:

WB, Indirect ELISA, IHC, IF

Species Specificity:

Human, Mouse, Rat

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 PTC's results. (PMID:20544509, 28045594, 27379977)

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

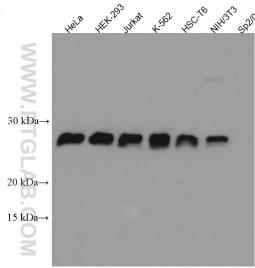
T: 4006900926

E: Proteintech-CN@ptglab.com

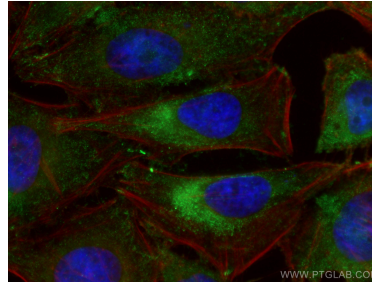
W: ptgcn.com

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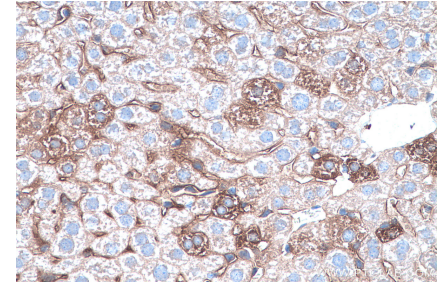
Selected Validation Data



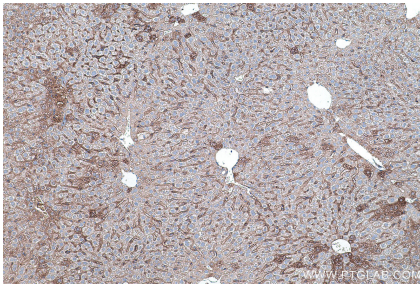
Various lysates were subjected to SDS PAGE followed by western blot with 67518-1-Ig (HPRT1 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours. HPRT1 deficient cell line Sp2/0 was served as a negative control. This data was developed using the same antibody clone with 67518-1-PBS in a different storage buffer formulation.



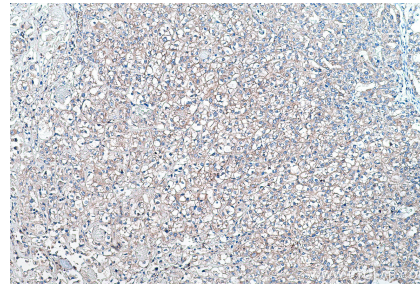
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 67518-1-Ig (HPRT1 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67518-1-PBS in a different storage buffer formulation.



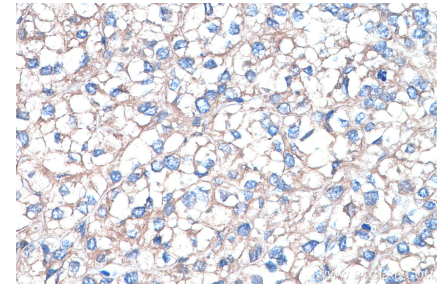
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 67518-1-Ig (HPRT1 antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67518-1-PBS in a different storage buffer formulation.



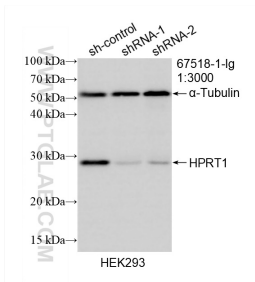
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 67518-1-Ig (HPRT1 antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67518-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67518-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67518-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 67518-1-PBS in a different storage buffer formulation.