

For Research Use Only

Multi-rAb® HPRT Multi-Recombinant antibody

Catalog Number: RMX00095



Basic Information

Catalog Number: RMX00095	GenBank Accession Number: BC000578	Purification Method: N/A
Size: 100ul, Concentration: 1020 µg/ml by Nanodrop;	GeneID (NCBI): 3251	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:2500-1:10000 IF/ICC: 1:250-1:1000
Source: Rabbit	UNIPROT ID: P00492	
Isotype: IgG	Full Name: hypoxanthine phosphoribosyltransferase 1	
	Calculated MW: 25 kDa	
	Observed MW: 24-28 kDa	

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, Jurkat cells mouse brain tissue, rat brain tissue

IHC : mouse brain 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 HPRT 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. Sp2/O was reported in the literature as an HPRT1-deficient cell line. (PMID:20544509, 28045594, 27379977)

Storage

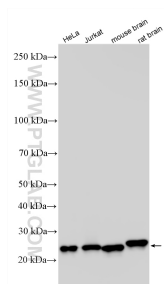
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

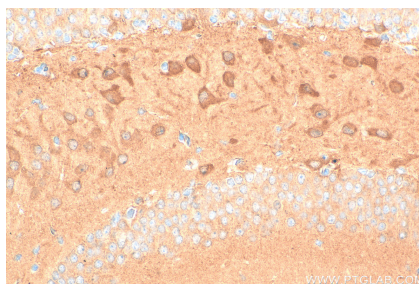
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

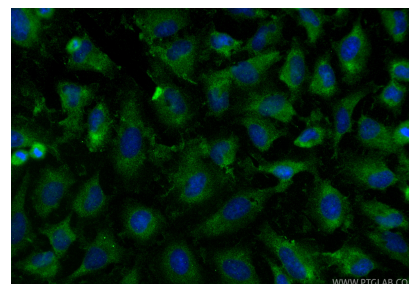
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with RMX00095 (HPRT antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using RMX00095 (HPRT antibody) at dilution of 1:5000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using HPRT antibody (RMX00095) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).