

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
Source: Rabbit	GeneID (NCBI): 3251	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:2500-1:10000 IF/ICC: 1:250-1:1000
Isotype: IgG	UNIPROT ID: P00492	
	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

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

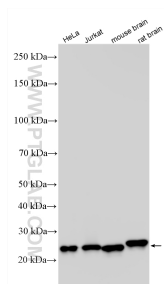
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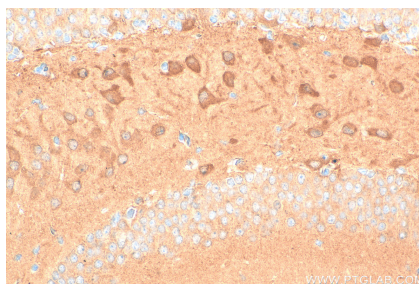
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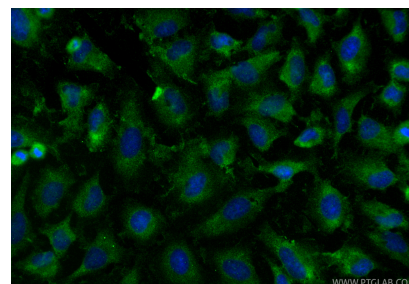
Selected Validation Data



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).