

For Research Use Only

HPRT Recombinant antibody

Catalog Number: 86049-1-RR



Basic Information

Catalog Number: 86049-1-RR	GenBank Accession Number: BC000578	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3251	CloneNo.: 250656C2
Source: Rabbit	UNIPROT ID: P00492	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:250-1:1000
Isotype: IgG	Full Name: hypoxanthine phosphoribosyltransferase 1	
Immunogen Catalog Number: AG7044	Calculated MW: 25 kDa Observed MW: 24-28 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : HeLa cells, HepG2 cells, HEK-293 cells, Jurkat cells, Y79 cells, NIH/3T3 cells, HSC-T6 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human breast cancer tissue, human colon cancer tissue

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

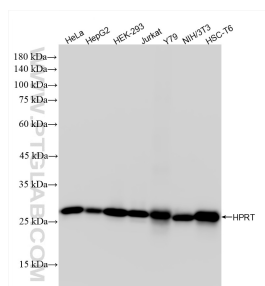
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

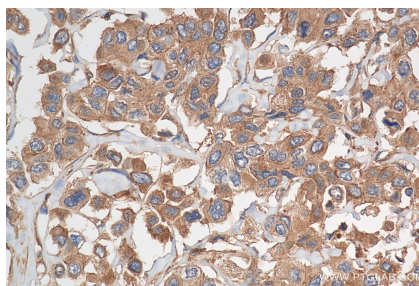
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 86049-1-RR (HPRT antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 86049-1-RR (HPRT antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).