

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
Concentration: 1000 µg/ml	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

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

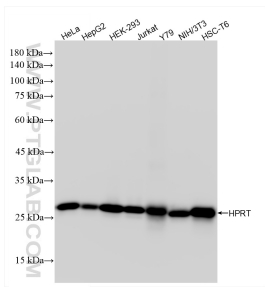
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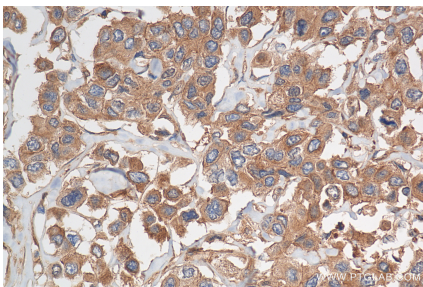
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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).