



# Mouse anti-Human HPRT1 polyclonal antibody (DPAB-DC1607)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	The protein encoded by this gene is a transferase, which catalyzes conversion of hypoxanthine to inosine monophosphate and guanine to guanosine monophosphate via transfer of the 5-phosphoribosyl group from 5-phosphoribosyl 1-pyrophosphate. This enzyme plays a central role in the generation of purine nucleotides through the purine salvage pathway. Mutations in this gene result in Lesch-Nyhan syndrome or gout.[provided by RefSeq, Jun 2009]
<b>Immunogen</b>	HPRT1 (AAH00578, 1 a.a. ~ 218 a.a) full-length recombinant protein with GST tag. The sequence is  MATRSPGVVISDDEPGYDLDLFCIPNHYAEDLERVFIPHGLIMDRTERLARDVMKEMGGH HIVALCVLKGGYKFFADLLDYIKALNRNSDRSIPMTVDFIRLKSYCNDQSTGDIKVIGGD DLSTLTGKNVLIVEDIITGKTMQTLLSLVRQYNPKMVKVASLLVKRTPRSVGYKPDFVG FEIPDKFVVGYALDYNEYFRDLNHVCVISETGKAKYKA
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">HPRT1 hypoxanthine phosphoribosyltransferase 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	HPRT1
<b>Synonyms</b>	HPRT1; hypoxanthine phosphoribosyltransferase 1; HPRT; HGPRT; hypoxanthine-guanine phosphoribosyltransferase; HGPRTase;
<b>Entrez Gene ID</b>	<a href="#">3251</a>
<b>Protein Refseq</b>	<a href="#">NP_000185</a>
<b>UniProt ID</b>	<a href="#">P00492</a>
<b>Chromosome Location</b>	Xq26.1
<b>Pathway</b>	Drug metabolism - other enzymes; Metabolism; Nucleotide Metabolism; Purine metabolism
<b>Function</b>	guanine phosphoribosyltransferase activity; hypoxanthine phosphoribosyltransferase activity; magnesium ion binding; nucleotide binding