



# Anti-HPRT1 monoclonal antibody, clone 682DU2.4.5 (DCABY-1173)

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.
<b>Specificity</b>	This HPRT1 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 150-178 amino acids from human HPRT1.
<b>Isotype</b>	IgM
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	682DU2.4.5
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Molecular Weight</b>	24579 Da
<b>Format</b>	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
<b>Size</b>	100 µl
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

## GENE INFORMATION

Gene Name	<a href="#">HPRT1 hypoxanthine phosphoribosyltransferase 1 [ Homo sapiens (human) ]</a>
Official Symbol	HPRT1
Synonyms	HPRT1; HPRT; Hypoxanthine-guanine phosphoribosyltransferase
Entrez Gene ID	<a href="#">3251</a>
Protein Refseq	<a href="#">NP_000185</a>
UniProt ID	<a href="#">P00492</a>
Chromosome Location	Xq26.1
Pathway	Drug metabolism - other enzymes; Metabolism; Metabolism of nucleotides; Nucleotide Metabolism; Purine metabolism; Purine salvage; adenine and adenosine salvage III; guanine and guanosine salvage;
Function	guanine phosphoribosyltransferase activity; hypoxanthine phosphoribosyltransferase activity; hypoxanthine phosphoribosyltransferase activity; magnesium ion binding; nucleotide binding; protein binding; protein homodimerization activity