



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

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

PRODUCT INFORMATION

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| Antigen Description | 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] |
| Immunogen | HPRT1 (AAH00578, 1 a.a. ~ 218 a.a) full-length recombinant protein with GST tag. The sequence is MATRSPGVVISDDEPGYDLDFCIPNHYAEDLERVFIPHGLIMDRTERLARDVMKEMGGH HIVALCVLKGGYKFFADLLDYIKALNRNSDRSIPMTVDFIRLKSVCNDQSTGDIKVIGGD DLSTLTGKNVLIVEDIIDTGKTMQTLLSLVRQYNPKMVKVASLLVKRTPRSVGYKPDFVG FEIPDKFVVGYALDYNEYFRDLNHVCVISETGKAKYKA |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Conjugate | Unconjugated |
| Applications | WB (Recombinant protein), ELISA, |
| Size | 50 µl |
| Buffer | 50 % glycerol |
| Preservative | None |
| Storage | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

GENE INFORMATION

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