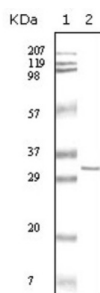


Hypoxanthine-Guanine Phosphoribosyltransferase (HPRT) Antibody

Catalogue No.: abx011659



Western blot analysis using HPTR antibody against truncated HPRT recombinant protein.

The HPRT1 gene provides instructions for making an enzyme called hypoxanthine phosphoribosyltransferase 1. This enzyme allows cells to recycle purines, some of the building blocks of DNA and its chemical cousin RNA. The enzyme hypoxanthine-guanine phosphoribosyltransferase (E.C.2.4.2.8., HPRT) plays a crucial role in uric acid synthesis and purine metabolism. This enzyme catalyzes the conversion of hypoxanthine and guanine to inosine monophosphate (IMP) and guanosine monophosphate (GMP), respectively, and uses phosphoribosylpyrophosphate (PRPP) as a cosubstrate and as a source of energy. This pathway is also known as the purine salvage pathway because it allows cells to reuse purine compounds to build DNA and RNA.

Target:	Hypoxanthine-Guanine Phosphoribosyltransferase (HPRT)
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of HPRT expressed in E. coli.
Isotype:	IgG _{2b}
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P00492 (UniProt , ExPASy)

Datasheet

Version: 4.0.0
Revision date: 01 Jun 2025



Gene Symbol: HPRT1

GeneID: [3251](#)

OMIM: [300322](#)

HGNC: 5157

KEGG: hsa:3251

Ensembl: ENSG00000165704

String: [9606.ENSP00000298556](#)

Enzyme Commission Number: EC.2.4.2.8.

Molecular Weight: 25 kDa

Buffer: Ascitic fluid containing 0.03% sodium azide.

Concentration: Not determined.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.