

# **Product datasheet for TA506953**

# OriGene Technologies, Inc.

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# **HPRT (HPRT1) Mouse Monoclonal Antibody [Clone ID: OTI2H5]**

#### **Product data:**

**Product Type:** Primary Antibodies

Clone Name: OTI2H5

Applications: WB

Recommended Dilution: WB 1:4000

Reactivity: Human, Mouse, Rat

Host: Mouse Isotype: IgG1

Clonality: Monoclonal

Immunogen: Full length human recombinant protein of human HPRT1(NP\_000185) produced in HEK293T

cell

**Formulation:** PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Concentration: 1 mg/ml

**Purification:** Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography

(protein A/G)

Conjugation: Unconjugated

**Storage:** Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

**Predicted Protein Size:** 24.4 kDa

**Gene Name:** hypoxanthine phosphoribosyltransferase 1

Database Link: NP 000185

Entrez Gene 24465 RatEntrez Gene 3251 Human

P00492

**Background:** 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]





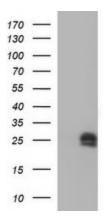
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Synonyms: HGPRT; HPRT

**Protein Families:** Druggable Genome, Stem cell - Pluripotency

**Protein Pathways:** Drug metabolism - other enzymes, Metabolic pathways, Purine metabolism

# **Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY HPRT1 ([RC200462], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HPRT1. Positive lysates [LY400070] (100ug) and [LC400070] (20ug) can be purchased separately from OriGene.