

## Product datasheet for **TA506952**

### HPRT (HPRT1) Mouse Monoclonal Antibody [Clone ID: OTI1B1]

#### Product data:

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Clone Name:             | OTI1B1   |
| Applications:           | IF, WB   |
| Recommended Dilution:   | WB 1:4000, IF 1:100  |
| 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:          | <a href="#">NP_000185</a><br><a href="#">Entrez Gene 24465 Rat</a> <a href="#">Entrez Gene 3251 Human</a><br><a href="#">P00492</a>  |
| 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] |



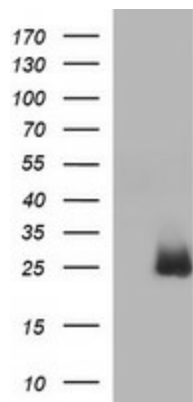
[View online »](#)

**Synonyms:** HGPRT; HPRT

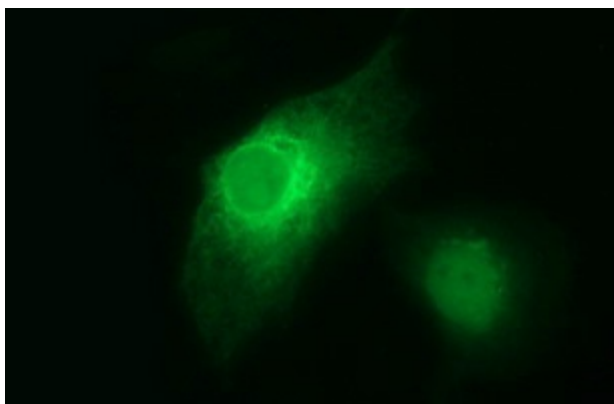
**Protein Families:** Druggable Genome, Stem cell - Pluripotency

**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.



Anti-HPRT1 mouse monoclonal antibody (TA506952) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY HPRT1 ([RC200462]).