

Product datasheet for TA506950

OriGene Technologies, Inc.

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HPRT (HPRT1) Mouse Monoclonal Antibody [Clone ID: OTI1D6]

Product data:

Product Type: Primary Antibodies

Clone Name: OTI1D6
Applications: IF, WB

Reactivity: 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: 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]



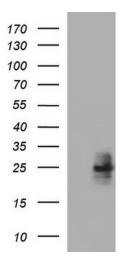


Synonyms: HGPRT; HPRT

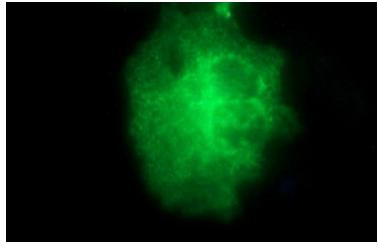
Protein Families: Druggable Genome, Stem cell - Pluripotency

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 (TA506950) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY HPRT1 ([RC200462]).