

Product datasheet for **AM09392PU-N**

HPRT (HPRT1) Mouse Monoclonal Antibody [Clone ID: AT2G8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT2G8
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western blot (1/500-1/5000). Recommended starting dilution is 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human HPRT (1-218aa) purified from E. coli
Specificity:	The antibody recognizes Human HPRT. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	hypoxanthine phosphoribosyltransferase 1
Database Link:	Entrez Gene 3251 Human P00492
Background:	HPRT 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. HPRT, which acts as a catalyst in the reaction between guanine and phosphoribosyl pyrophosphate to form GMP, functions primarily to salvage purines from degraded DNA to renewed purine synthesis.

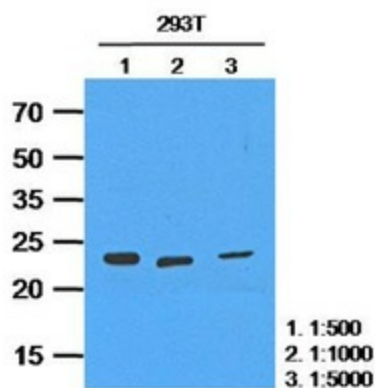


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Synonyms: HGPRTase, HGPRT

Protein Families: Druggable Genome, Stem cell - Pluripotency

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

Product images:

Western blot analysis: The extracts of 293T (35ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human HPRT (1:500-1:5000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.