

Mouse anti-Human HPRT Monoclonal Antibody | anti-HPRT antibody

HPRT antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48087	Mouse	Human	Western Blot, ELISA

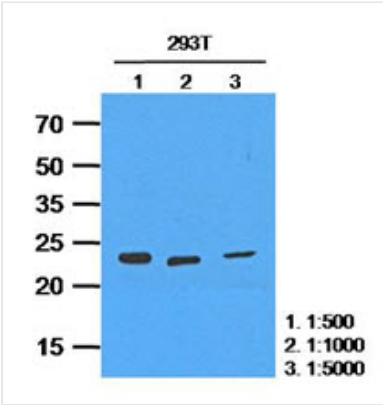
PRODUCT SYNONYMS

HPRT; Monoclonal Antibody; HPRT antibody; Hypoxanthine-guanine phosphoribosyltransferase; HGPRT; HGPRTase; Hypoxanthine-guanine phosphoribosyltransferase HPRT 1; HPRT1; Hypoxanthine guanine phosphoribosyltransferase; Hypoxanthine phosphoribosyltransferase 1 (Lesch Nyhan syndrome); Hypoxanthine phosphoribosyltransferase 1.; anti-HPRT antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT2G8
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (determined by BCA assay) (varies by lot)
Sequence Length	218
Applicable Applications for anti-HPRT antibody	WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human HPRT (1-218aa) purified from E. coli
Clone Note	Anti-human HPRT mAb, clone AT2G8, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human HPRT protein.
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

IMAGES



WB (Western Blot)
The cell lysates 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.

ADDITIONAL INFORMATION

Related Product Information for anti-HPRT antibody	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.
Product Categories/Family for anti-HPRT antibody	Signal Transduction
References	Sculley DG, et al. (1993). Hum. Genet. 90 (3): 195-207.; Stout JT, Caskey CT (1986). Annu. Rev. Genet. 19: 127-48.; Davidson BL, et al. (1991). Am. J. Hum. Genet. 48 (5): 951-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504483
NCBI GeneID	3251
NCBI Accession #	NP_000185
NCBI GenBank Nucleotide #	NM_000194.2
UniProt Accession #	P00492; A6NHFO; B2R8M9
Molecular Weight	24,579 Da
NCBI Official Full Name	hypoxanthine-guanine phosphoribosyltransferase
NCBI Official Synonym Full Names	hypoxanthine phosphoribosyltransferase 1
NCBI Official Symbol	HPRT1
NCBI Official Synonym Symbols	HPRT; HGPRT
NCBI Protein Information	hypoxanthine-guanine phosphoribosyltransferase
UniProt Protein Name	Hypoxanthine-guanine phosphoribosyltransferase
UniProt Gene Name	HPRT1
UniProt Synonym Gene Names	HPRT; HGPRT; HGPRTase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

