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# Human HPRT antibody

Catalog Number: ATGA0204

## PRODUCT INFORMATION

**Catalog number**
ATGA0204

**Clone No.**
AT2G8

**Product type**
Monoclonal Antibody

**UnitProt No.**
P00492

**NCBI Accession No.**
NP_000185

**Alternative Names**
Hypoxanthine-guanine phosphoribosyltransferase, HGPRT, HGPRTase, HPRT, Hypoxanthine-guanine phosphoribosyltransferase HPRT 1, HPRT1, Hypoxanthine guanine phosphoribosyltransferase, Hypoxanthine phosphoribosyltransferase 1 (Lesch Nyhan syndrome), Hypoxanthine phosphoribosyltransferase 1.

## PRODUCT SPECIFICATION

**Antibody Host**
Mouse

**Reacts With**
Human

**Concentration**
1mg/ml (determined by BCA assay)

**Formulation**
Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

**Immunogen**
Recombinant human HPRT (1-218aa) purified from E. coli

**Isotype**
IgG1 kappa

**Purification Note**
By protein-G affinity chromatography

**Application**
ELISA,WB

**Usage**
The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

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**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.

## BACKGROUND

**Description**

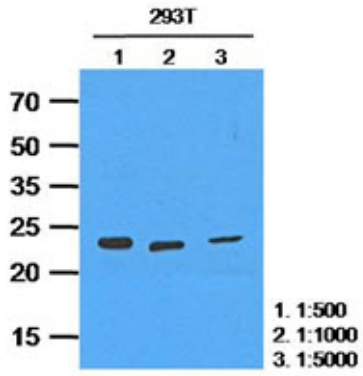
HPRT is a transferase, which catalyzes conversion of hypoxanthine to inosine monophosphate and guanine to guanosine monophosphate via transfer of the 5-phosphoribosyl group from 5-phosphoribosyl 1-pyrophosphate. HPRT, which acts as a catalyst in the reaction between guanine and phosphoribosyl pyrophosphate to form GMP, functions primarily to salvage purines from degraded DNA to renewed purine synthesis.

**General 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.

## DATA

**Western blot analysis (WB)**




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.