

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

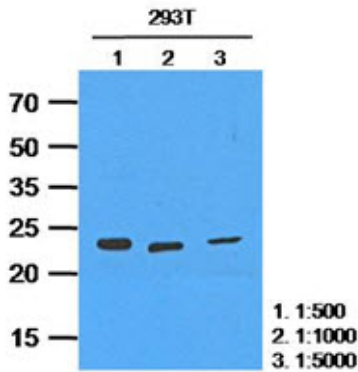
HPRT is a transferase, which catalyzes conversion of hypoxanthine to inosine monophosphate and guanine to guanosine monophosphate via transfer of the 5-phosphoribosyl group from 5-phosphoribosyl 1-pyrophosphate. HPRT, which acts as a catalyst in the reaction between guanine and phosphoribosyl pyrophosphate 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.