BT LAB
Bioassay Technology Laboratory

Optimize Your Research

HPRT Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3433
Host	Mouse
Isotype	Mouse IgG2b
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of HPRT expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	Others
Concentration	N/A
Full name	N/A
Synonyms	N/A

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The HPRT1 gene provides instructions for making an enzyme called hypoxanthine phosphoribosyltransferase 1. This enzyme allows cells to recycle purines, some of the building blocks of DNA and its chemical cousin RNA.The enzyme hypoxanthine-guanine phosphoribosyltrasferase (E.C.2.4.2.8., HPRT) plays a crucial role in uric acid synthesis and purine metabolism.This enzyme catalyzes the conversion of hypoxanthine and guanine to inosine monophosphate (IMP) and guanosine monophosphate (GMP), respectively, and uses phosphoribosylpyrophosphate (PRPP) as a cosubstrate and as a source of energy . This pathway is also known as the purine salvage pathway because it allows cells to reuse purine compounds to build DNA and RNA.

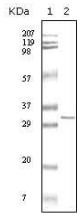
Recommended Dilution

WB: 1:500 - 1:2000

ELISA: 1:10000

Not yet tested in other applications.

Images



Western blot analysis using HPTR mouse mAb against truncated HPRT recombinant protein.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com