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anti-HPRT1 antibody





Publication



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Overview

Quantity:	100 μL
Target:	HPRT1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HPRT1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant fragment of HPRT expressed in E. coli.
Clone:	1F8D11
Isotype:	lgG2b
Purification:	purified

Target Details

Target:	HPRT1
Alternative Name:	HPRT (HPRT1 Products)
Background:	Description: 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.

Aliases: N/A

Pathways:

Ribonucleoside Biosynthetic Process

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

should be handled by trained staff only.

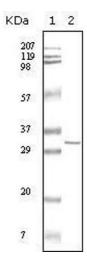
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in:

Manjanatha, Shelton, Bishop, Shaddock, Dobrovolsky, Heflich, Webb, Blankenship, Beland, Greenlees, Culp: "Analysis of mutations and bone marrow micronuclei in Big Blue rats fed leucomalachite green." in: **Mutation research**, Vol. 547, Issue 1-2, pp. 5-18, (2004) (PubMed).



Western Blotting

Image 1. Western blot analysis using HPTR mouse mAb against truncated HPRT recombinant protein.