

HPRT Mouse mAb

CatalogNo: YM0335

Key Features

Host Species

- Mouse

Reactivity

- Human

Applications

- WB,ELISA

MW

- 25kD (Calculated)

Recommended Dilution Ratios

WB 1:500-1:2000

ELISA 1:10000

Not yet tested in other applications.

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Monoclonal

Immunogen Information

Immunogen Purified recombinant fragment of HPRT expressed in E. Coli.

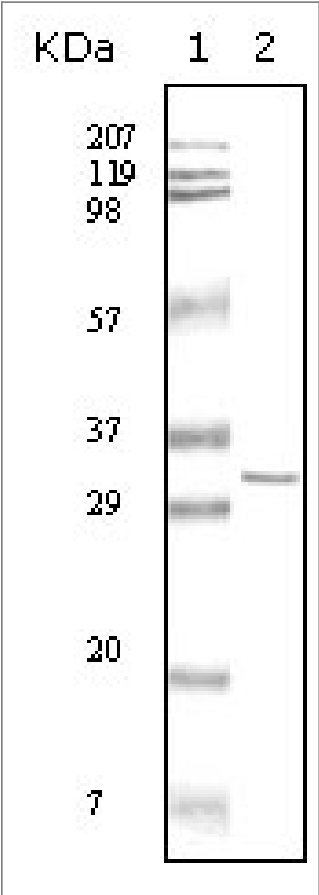
Specificity HPRT Monoclonal Antibody detects endogenous levels of HPRT protein.

Target Information

Gene name HPRT1

Protein Name	Hypoxanthine-guanine phosphoribosyltransferase		
	Organism	Gene ID	UniProt ID
	Human	3251 ;	P00492 ;
	Mouse		P00493 ;
Cellular Localization	Cytoplasm.		
Tissue specificity	Brain,		
Function	Catalytic activity:GMP + diphosphate = guanine + 5-phospho-alpha-D-ribose 1-diphosphate.,Catalytic activity:IMP + diphosphate = hypoxanthine + 5-phospho-alpha-D-ribose 1-diphosphate.,cofactor:Binds 2 magnesium ions per subunit. One of the ions does not make direct protein contacts.,Disease:Defects in HPRT1 are the cause of gout [MIM:300323]; also known as HPRT-related gout or Kelley-Seegmiller syndrome. Gout is characterized by partial enzyme activity and hyperuricemia.,Disease:Defects in HPRT1 are the cause of Lesch-Nyhan syndrome (LNS) [MIM:300322]. LNS is characterized by complete lack of enzymatic activity that results in hyperuricemia, choreoathetosis, mental retardation, and compulsive self-mutilation.,online information:Hypoxanthine-guanine phosphoribosyltransferase entry,pathway:Purine metabolism; IMP biosynthesis via salvage pathway; IMP from hypoxanthine: step 1/1.,similarity:Belongs to the purine/pyrimidine phosphoribosyltransferase family.,subunit:Homotetramer.,		

Validation Data



Western Blot analysis using HPRT Monoclonal Antibody against truncated HPRT recombinant protein.

| Contact information

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: <http://www.immunoway.com>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code
to access additional
product information:
HPRT Mouse mAb

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)