

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.

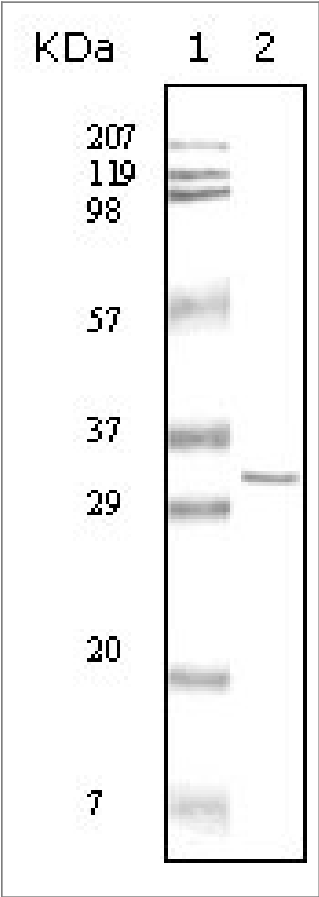
Specificity HPRT Monoclonal Antibody detects endogenous levels of HPRT protein.

| 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.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: <http://www.immunoway.com.cn>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code
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product information:
HPRT Mouse mAb

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