

## HGK Mouse mAb

CatalogNo: YM0331

### | Key Features

#### Host Species

- Mouse

#### Reactivity

- Human

#### Applications

- WB,ELISA

#### MW

- 142kD (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 HGK (aa400-500) expressed in E. Coli.

#### Specificity

HGK Monoclonal Antibody detects endogenous levels of HGK protein.

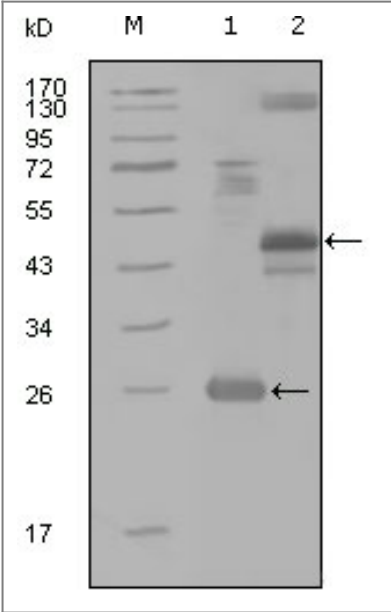
### | Target Information

#### Gene name

MAP4K4

<b>Protein Name</b>	Mitogen-activated protein kinase kinase kinase kinase 4		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">9448;</a>	<a href="#">O95819;</a>
	Mouse		<a href="#">P97820;</a>
<b>Cellular Localization</b>	Cytoplasm .		
<b>Tissue specificity</b>	Widely expressed. Isoform 5 is abundant in the brain. Isoform 4 is predominant in the liver, skeletal muscle and placenta.		
<b>Function</b>	Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,Function:Serine/threonine kinase that may play a role in the response to environmental stress and cytokines such as TNF-alpha. Appears to act upstream of the JUN N-terminal pathway.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.,similarity:Contains 1 CNH domain.,similarity:Contains 1 protein kinase domain.,subunit:Interacts with the SH3 domain of the adapter proteins Nck (By similarity). Binds, via its CNH regulatory domain, to the N-terminal region of SPG3A.,tissue specificity:Appears to be ubiquitous, expressed in all tissue types examined. Isoform 5 appears to be more abundant in the brain, isoform 4 is predominant in the liver, skeletal muscle and placenta.,		

Validation Data



Western Blot analysis using HGK Monoclonal Antibody against truncated Trx-HGK recombinant protein (1), MBP-HGK (aa300-400) recombinant protein (2) and HGK(aa194-436)-hlgGfc transfected CHO-K1 cell lysate(3).

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



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**HGK Mouse mAb**

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