

MEK-4 Mouse mAb

CatalogNo: YM0437

Key Features

Host Species

- Mouse

Reactivity

- Human

Applications

- WB,IHC,IF,Flow Cyt,ELISA

MW

- 44kD (Calculated)

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:200-1:1000

Flow Cyt 1:200-1:400

ELISA 1:10000

IF 1:50-200

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

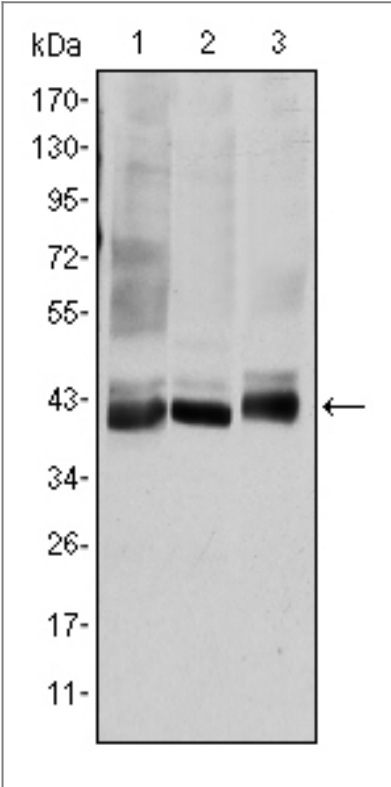
Immunogen Purified recombinant fragment of human MEK-4 expressed in E. Coli.

Specificity MEK-4 Monoclonal Antibody detects endogenous levels of MEK-4 protein.

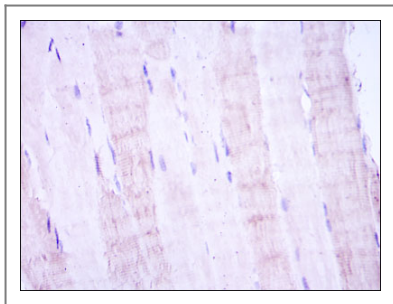
Target Information

Gene name	MAP2K4		
Protein Name	Dual specificity mitogen-activated protein kinase kinase 4		
	Organism	Gene ID	UniProt ID
	Human	6416 ;	P45985 ;
	Mouse		P47809 ;
Cellular Localization	Cytoplasm . Nucleus .		
Tissue specificity	Abundant expression is seen in the skeletal muscle. It is also widely expressed in other tissues.		
Function	Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,Function: Dual specificity kinase that activates the JUN kinases MAPK8 (JNK1) and MAPK9 (JNK2) as well as MAPK14 (p38) but not MAPK1 (ERK2) or MAPK3 (ERK1).,PTM: Activated by phosphorylation on Ser/Thr by MAP kinase kinase kinases.,similarity: Belongs to the protein kinase superfamily.,similarity: Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase subfamily.,similarity: Contains 1 protein kinase domain.,subunit: Interacts with SPAG9.,tissue specificity: Abundant expression is seen in the skeletal muscle. It is also widely expressed in other tissues.,		

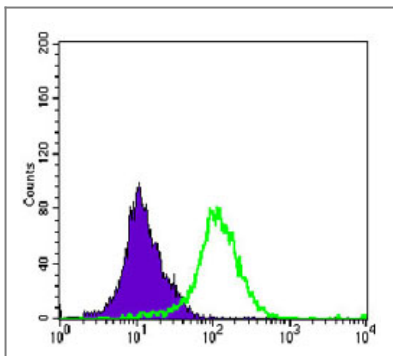
Validation Data



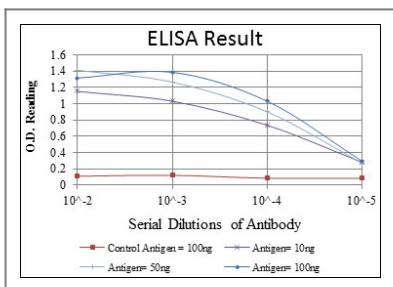
Western Blot analysis using MEK-4 Monoclonal Antibody against HepG2 (1), K562 (2), and HEK293 (3) cell lysate.



Immunohistochemistry analysis of paraffin-embedded muscle tissues with DAB staining using MEK-4 Monoclonal Antibody.



Flow cytometric analysis of K562 cells using MEK-4 Monoclonal Antibody (green) and negative control (purple).



Contact information

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Please scan the QR code
 to access additional
 product information:
MEK-4 Mouse mAb

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

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