

Product datasheet for **AM06580SU-N**

MEK4 (MAP2K4) Mouse Monoclonal Antibody [Clone ID: 5H4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5H4
Applications:	ELISA, FC, IHC, WB
Recommended Dilution:	ELISA: 1/10000. Western Blot: 1/500 - 1/2000. Flow Cytometry: 1/200 - 1/400. Immunohistochemistry on Paraffin Sections: 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human MAP2K4 expressed in E. Coli.
Specificity:	Recognizes MAP2K4
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	42 kDa
Gene Name:	mitogen-activated protein kinase kinase 4
Database Link:	Entrez Gene 6416 Human P45985



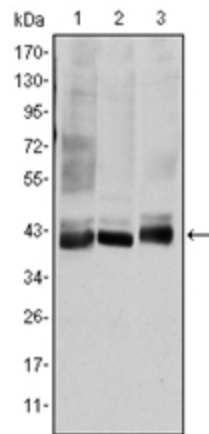
[View online »](#)

Background:

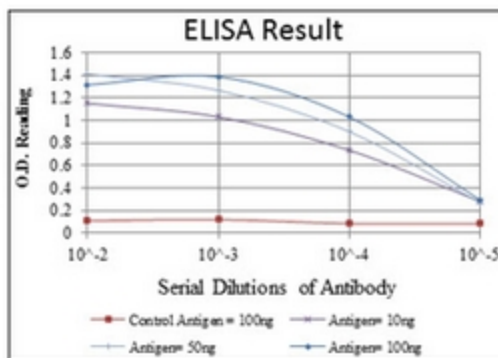
This gene encodes a dual specificity protein kinase that belongs to the Ser/Thr protein kinase family. This kinase is a direct activator of MAP kinases in response to various environmental stresses or mitogenic stimuli. It has been shown to activate MAPK8/JNK1, MAPK9/JNK2, and MAPK14/p38, but not MAPK1/ERK2 or MAPK3/ERK3. This kinase is phosphorylated, and thus activated by MAP3K1/MEKK. The knockout studies in mice suggested the roles of this kinase in mediating survival signal in T cell development, as well as in the organogenesis of liver. Tissue specificity: Abundant expression is seen in the skeletal muscle. It is also widely expressed in other tissues .

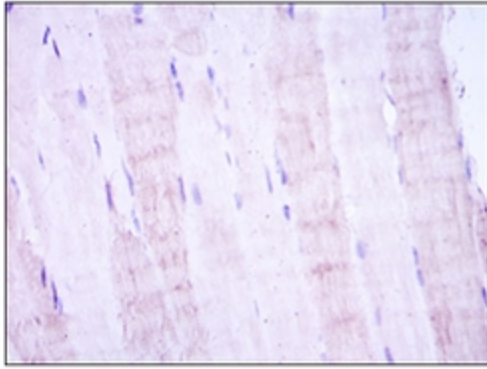
Synonyms:

JNK-activating kinase 1, MAP Kinase Kinase 4, SAPK/ERK kinase 1, PRKMK4, SERK1, MEK-4, MAPKK4, MKK4

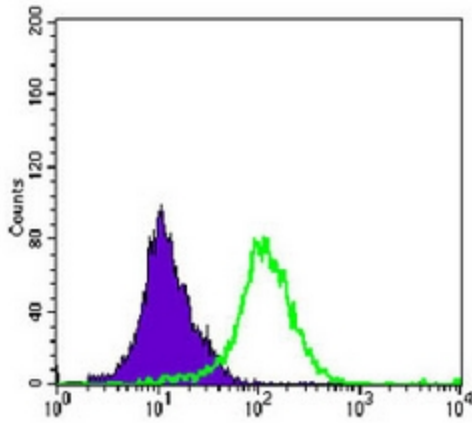
Product images:


Western blot analysis using MAP2K4 antibody Cat.-No AM06580SU-N against HepG2 (1), K562 (2), and HEK293 (3) cell lysate.





Immunohistochemical analysis of paraffin-embedded muscle tissues using MAP2K4 antibody Cat.-No AM06580SU-N with DAB staining.



Flow cytometric analysis of K562 cells using MAP2K4 antibody Cat.-No AM06580SU-N (green) and negative control (purple).