

Mouse Map4k3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14443C

Product Information

Application	WB, FC, IHC-P, E
Primary Accession	Q99JP0
Other Accession	Q924I2 , Q8IVH8
Reactivity	Human, Rat, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34822
Calculated MW	101119
Antigen Region	501-529

Additional Information

Gene ID	225028
Other Names	Mitogen-activated protein kinase kinase kinase 3, Germinal center kinase-related protein kinase, GLK, MAPK/ERK kinase kinase kinase 3, MEK kinase kinase 3, MEKKK 3, Map4k3
Target/Specificity	This Mouse Map4k3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 501-529 amino acids from the Central region of mouse Map4k3.
Dilution	WB~~1:2000 FC~~1:10~50 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Mouse Map4k3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Map4k3
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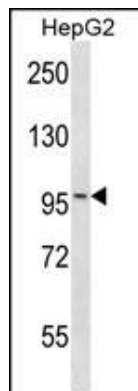
Function

Serine/threonine kinase that plays a role in the response to environmental stress. Appears to act upstream of the JUN N-terminal pathway. Activator of the Hippo signaling pathway which plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. MAP4Ks act in parallel to and are partially redundant with STK3/MST2 and STK4/MST2 in the phosphorylation and activation of LATS1/2, and establish MAP4Ks as components of the expanded Hippo pathway.

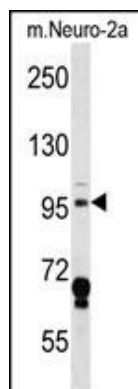
Background

Map4k3 may play a role in the response to environmental stress. Appears to act upstream of the JUN N-terminal pathway (By similarity).

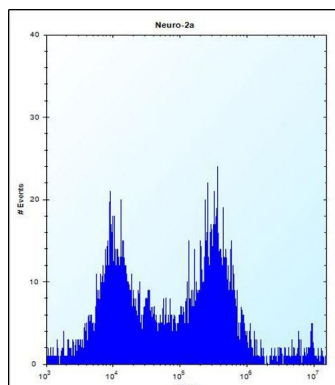
Images



Mouse Map4k3 Antibody (Center) (Cat. #AP14443c) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the Map4k3 antibody detected the Map4k3 protein (arrow).

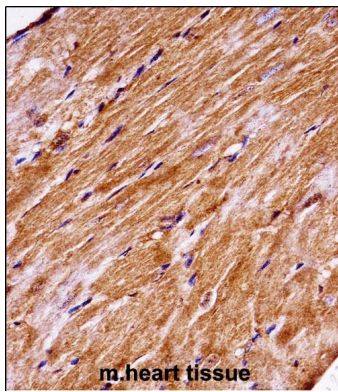


Mouse Map4k3 Antibody (Center) (Cat. #AP14443c) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane). This demonstrates the Map4k3 antibody detected the Map4k3 protein (arrow).



Mouse Map4k3 Antibody (Center) (Cat. #AP14443c) flow cytometric analysis of Neuro-2a cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

Mouse Map4k3 Antibody (Center) (AP14443c) immunohistochemistry analysis in formalin fixed and paraffin embedded mouse heart tissue followed by peroxidase conjugation of the secondary



antibody and DAB staining. This data demonstrates the use of Mouse Map4k3 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.