10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Mouse Map4k3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14443C

Specification

Mouse Map4k3 Antibody (Center) - Product Information

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

Mouse Map4k3 Antibody (Center) - Additional Information

Gene ID 225028

Other Names
Mitogen-activated protein kinase 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~~1:1000
IHC-P~~1:10~50
FC~~1:10~50
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.

Mouse Map4k3 Antibody (Center) - Protein Information

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Name Map4k3

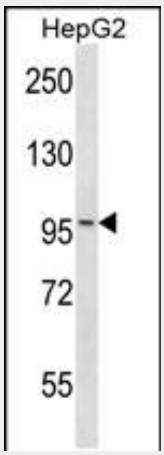
Function Serine/threonine kinase that plays a role in the response to environmental stress. Appears to act upstream of the JUN N-terminal pathway. Activator of the Hippo signaling pathway which plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting 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.

Mouse Map4k3 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Mouse Map4k3 Antibody (Center) - 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).

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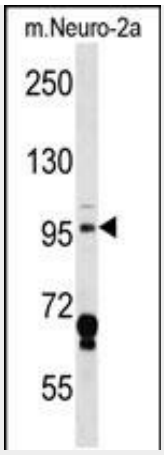
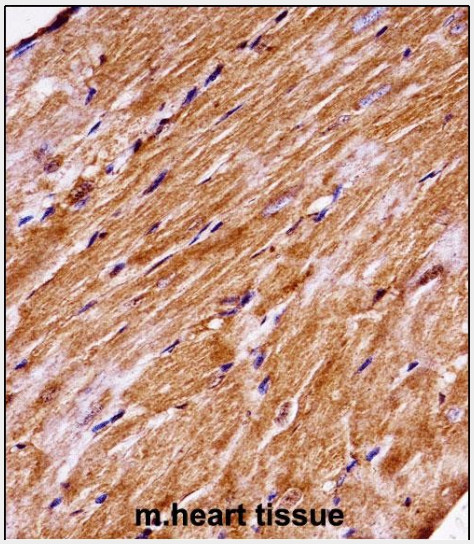
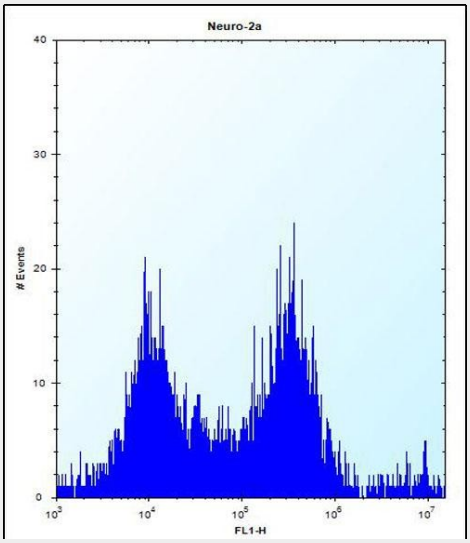


Mouse Map4k3 Antibody (Center) (Cat. #AP14443c) western blot analysis in mouse Neuro-2a cell line lysates (35ug/lane).This demonstrates the Map4k3 antibody detected the Map4k3 protein (arrow).



Mouse Map4k3 Antibody (Center) (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.



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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) - Background

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