10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

Mouse Map2k2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14919a

Specification

Mouse Map2k2 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q63932
Other Accession	P36506
Reactivity	**Human, Mouse**
Predicted	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Calculated MW	**44402**
Antigen Region	**36-63**

Mouse Map2k2 Antibody (N-term) - Additional Information

Gene ID 26396

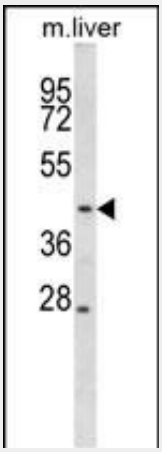
Other Names
Dual specificity mitogen-activated protein kinase kinase 2, MAP kinase kinase 2, MAPKK 2, ERK activator kinase 2, MAPK/ERK kinase 2, MEK 2, Map2k2, Mek2, Mkk2, Prkmk2

Target/Specificity
This Mouse Map2k2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 36-63 amino acids from the N-terminal region of mouse Map2k2.

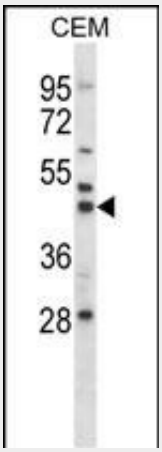
Dilution
WB~~1:1000

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



Mouse Map2k2 Antibody (N-term) (Cat. #AP14919a) western blot analysis in mouse liver tissue lysates (35ug/lane).This demonstrates the Map2k2 antibody detected the Map2k2 protein (arrow).



Mouse Map2k2 Antibody (N-term) (Cat. #AP14919a) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the Map2k2 antibody detected the Map2k2 protein (arrow).

Mouse Map2k2 Antibody (N-term) - Background

Map2k2 catalyzes the concomitant phosphorylation of a threonine and a tyrosine

cycles.

Precautions
Mouse Map2k2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Map2k2 Antibody (N-term) - Protein Information

Name Map2k2

Synonyms Mek2, Mkk2, Prkmk2

Function
Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence located in MAP kinases. Activates the ERK1 and ERK2 MAP kinases (PubMed:19219045). Activates BRAF in a KSR1 or KSR2-dependent manner; by binding to KSR1 or KSR2 releases the inhibitory intramolecular interaction between KSR1 or KSR2 protein kinase and N-terminal domains which promotes KSR1 or KSR2-BRAF dimerization and BRAF activation (By similarity).

Cellular Location
Cytoplasm. Membrane; Peripheral membrane protein. Note=Membrane localization is probably regulated by its interaction with KSR1.

Tissue Location
Expressed in adult intestine, kidney, liver, lung, pancreas, spleen, thymus, and at high levels in the neonatal brain Lower expression is found in adult brain and heart

Mouse Map2k2 Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation

residue in a Thr-Glu-Tyr sequence located in MAP kinases. Activates the ERK1 and ERK2 MAP kinases.

- Flow Cytomety
- Cell Culture