

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 IgG
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 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

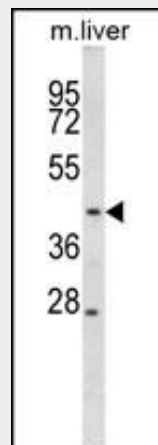
Expressed in adult intestine, kidney, liver, lung, pancreas, spleen, thymus, and at high levels in the neonatal brain Lower expression is found in adult brain and heart

Mouse Map2k2 Antibody (N-term) - Protocols

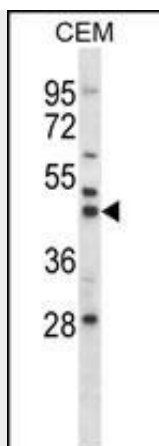
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Mouse Map2k2 Antibody (N-term) - Images



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