

Mouse Map2k2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14919a**Specification**

Mouse Map2k2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q63932](#)**Mouse Map2k2 Antibody (N-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Mouse Map2k2 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Mouse Map2k2 Antibody (N-term) Blocking Peptide - Images**Mouse Map2k2 Antibody (N-term) Blocking Peptide - 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.