

Mouse Map2k5 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP14154b

Specification

Mouse Map2k5 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [Q9WVS7](#)

Mouse Map2k5 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 23938

Other Names

Dual specificity mitogen-activated protein kinase kinase 5, MAP kinase kinase 5, MAPKK 5, MAPK/ERK kinase 5, MEK 5, Map2k5, Mek5, Mkk5, Prkmk5

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP14154b was selected from the C-term region of Mouse Map2k5. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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 Map2k5 Antibody (C-term) Blocking peptide - Protein Information

Name Map2k5

Synonyms Mek5, Mkk5, Prkmk5

Function

Acts as a scaffold for the formation of a ternary MAP3K2/MAP3K3-MAP3K5-MAPK7 signaling complex. Activation of this pathway appears to play a critical role in protecting cells from stress-induced apoptosis, neuronal survival and cardiac development and angiogenesis. As part of the MAPK/ERK signaling pathway, acts as a negative regulator of apoptosis in cardiomyocytes via promotion of STUB1/CHIP-mediated ubiquitination and degradation of ICER-type isoforms of CREM (By similarity).

Cellular Location

Cytoplasm.

Mouse Map2k5 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

Mouse Map2k5 Antibody (C-term) Blocking peptide - Images**Mouse Map2k5 Antibody (C-term) Blocking peptide - Background**

Map2k5 acts as a scaffold for the formation of a ternary MAP3K2/MAP3K3-MAP3K5-MAPK7 signaling complex. Activation of this pathway appear to play a critical role in protecting cells from stress-induced apoptosis, neuronal survival and cardiac development and angiogenesis.

Mouse Map2k5 Antibody (C-term) Blocking peptide - References

Spiering, D., et al. J. Biol. Chem. 284(37):24972-24980(2009)Carter, E.J., et al. J. Cell. Sci. 122 (PT 17), 3104-3112 (2009) :Sohn, S.J., et al. EMBO J. 27(13):1896-1906(2008)Shishido, T., et al. Circ. Res. 102(11):1416-1425(2008)Nakamura, K., et al. Mol. Cell. Biol. 27(12):4566-4577(2007)