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

Mouse Mapk6 Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP14136c

Specification

Mouse Mapk6 Antibody (Center) Blocking peptide - Product Information

Primary Accession Q61532

Mouse Mapk6 Antibody (Center) Blocking peptide - Additional Information

Gene ID 50772

Other Names
Mitogen-activated protein kinase 6, MAP kinase 6, MAPK 6, Extracellular signal-regulated kinase 3, ERK-3, Mapk6, Erk3, Prkm4, Prkm6

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP14136c was selected from the Center region of Mouse Mapk6. 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 Mapk6 Antibody (Center) Blocking peptide - Protein Information

Name Mapk6

Synonyms Erk3, Prkm4, Prkm6

Function
Atypical MAPK protein. Phosphorylates microtubule-associated protein 2 (MAP2) and MAPKAPK5. The precise role of the complex formed with MAPKAPK5 is still unclear, but the complex follows a complex set of phosphorylation events: upon interaction with atypical MAPKAPK5, ERK3/MAPK6 is phosphorylated at Ser-189 and then mediates phosphorylation and activation of MAPKAPK5, which in turn phosphorylates ERK3/MAPK6. May promote entry in the cell cycle.

Cellular Location
Cytoplasm. Nucleus. Note=Translocates to the cytoplasm following interaction with MAPKAPK5

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Mouse Mapk6 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

Mouse Mapk6 Antibody (Center) Blocking peptide - Images

Mouse Mapk6 Antibody (Center) Blocking peptide - Background

Mapk6 phosphorylates microtubule-associated protein 2 (MAP2). May promote entry in the cell cycle (By similarity).

Mouse Mapk6 Antibody (Center) Blocking peptide - References

Klinger, S., et al. Proc. Natl. Acad. Sci. U.S.A. 106(39):16710-16715(2009)Bae, G.U., et al. Mol. Cell. Biol. 29(15):4130-4143(2009)Sabio, G., et al. EMBO J. 24(6):1134-1145(2005)Seternes, O.M., et al. EMBO J. 23(24):4780-4791(2004)Schumacher, S., et al. EMBO J. 23(24):4770-4779(2004)