

Mouse Mapk4 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14445a**Specification**

Mouse Mapk4 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q6P5G0](#)**Mouse Mapk4 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 225724**Other Names**

Mitogen-activated protein kinase 4, MAP kinase 4, MAPK 4, Extracellular signal-regulated kinase 4, ERK-4, Mapk4, Erk4, Prkm4

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 Mapk4 Antibody (N-term) Blocking Peptide - Protein Information**Name** Mapk4**Synonyms** Erk4, Prkm4**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, ERK4/MAPK4 is phosphorylated at Ser-186 and then mediates phosphorylation and activation of MAPKAPK5, which in turn phosphorylates ERK4/MAPK4. May promote entry in the cell cycle.

Cellular Location

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

Mouse Mapk4 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Mouse Mapk4 Antibody (N-term) Blocking Peptide - Images**Mouse Mapk4 Antibody (N-term) Blocking Peptide - Background**

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

Mouse Mapk4 Antibody (N-term) Blocking Peptide - References

Klinger, S., et al. Proc. Natl. Acad. Sci. U.S.A. 106(39):16710-16715(2009) Kesavan, C., et al. Bone 41(2):223-230(2007) Kant, S., et al. J. Biol. Chem. 281(46):35511-35519(2006) Zambrowicz, B.P., et al. Proc. Natl. Acad. Sci. U.S.A. 100(24):14109-14114(2003) Xu, H., et al. J. Biol. Chem. 278(32):30187-30192(2003)