

**Mouse Mark1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14269b****Specification**

---

**Mouse Mark1 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q8VHJ5](#)**Mouse Mark1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 226778**Other Names**

Serine/threonine-protein kinase MARK1, ELKL motif serine/threonine-protein kinase 3, MAP/microtubule affinity-regulating kinase 1, PAR1 homolog c, Par-1c, mPar-1c, Mark1 {ECO:0000312|MGI:MGI:2664902}

**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 Mark1 Antibody (C-term) Blocking Peptide - Protein Information****Name** Mark1 {ECO:0000312|MGI:MGI:2664902}**Function**

Serine/threonine-protein kinase (By similarity). Involved in cell polarity and microtubule dynamics regulation. Phosphorylates DCX, MAP2 and MAP4. Phosphorylates the microtubule-associated protein MAPT/TAU (By similarity). Involved in cell polarity by phosphorylating the microtubule-associated proteins MAP2, MAP4 and MAPT/TAU at KXGS motifs, causing detachment from microtubules, and their disassembly. Involved in the regulation of neuronal migration through its dual activities in regulating cellular polarity and microtubule dynamics, possibly by phosphorylating and regulating DCX. Also acts as a positive regulator of the Wnt signaling pathway, probably by mediating phosphorylation of dishevelled proteins (DVL1, DVL2 and/or DVL3).

**Cellular Location**

Cell membrane; Peripheral membrane protein. Cytoplasm, cytoskeleton. Cytoplasm {ECO:0000250|UniProtKB:Q9P0L2}. Cell projection, dendrite {ECO:0000250|UniProtKB:Q9P0L2}. Note=Appears to localize to an intracellular network.

**Mouse Mark1 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**Mouse Mark1 Antibody (C-term) Blocking Peptide - Images****Mouse Mark1 Antibody (C-term) Blocking Peptide - Background**

Mark1 may play a role in cytoskeletal stability (By similarity).

**Mouse Mark1 Antibody (C-term) Blocking Peptide - References**

Maussion, G., et al. Hum. Mol. Genet. 17(16):2541-2551(2008)Hezel, A.F., et al. Mol. Cell. Biol. 28(7):2414-2425(2008)Trinidad, J.C., et al. Mol. Cell Proteomics 5(5):914-922(2006)Kerns, R.T., et al. J. Neurosci. 25(9):2255-2266(2005)Okazaki, N., et al. DNA Res. 11(3):205-218(2004)