

(Mouse) Msi1 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP20967a

Specification

(Mouse) Msi1 Blocking Peptide (Center) - Product Information

Primary Accession [O61474](#)
Other Accession [O8K3P4](#), [O43347](#)

(Mouse) Msi1 Blocking Peptide (Center) - Additional Information

Gene ID 17690

Other Names

RNA-binding protein Musashi homolog 1, Musashi-1, Msi1, Msi1h

Target/Specificity

The synthetic peptide sequence is selected from aa 81-93 of HUMAN Msi1

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) Msi1 Blocking Peptide (Center) - Protein Information

Name Msi1

Synonyms Msi1h

Function

RNA binding protein that regulates the expression of target mRNAs at the translation level. Regulates expression of the NOTCH1 antagonist NUMB. Binds RNA containing the sequence 5'-GUUAGUUAGUUAGUU- 3' and other sequences containing the pattern 5'-[GA]U(1-3)AGU-3'. May play a role in the proliferation and maintenance of stem cells in the central nervous system.

Cellular Location

Cytoplasm. Nucleus

Tissue Location

Expressed in neural stem and progenitor cells (at protein level) (PubMed:16554442). Detected in olfactory bulb, brain stem, small intestine, and at low levels in brain cortex, hippocampus and ovary (PubMed:8660864). Detected in neural progenitor cells, including neural stem cells

(PubMed:8660864)

(Mouse) Msi1 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

(Mouse) Msi1 Blocking Peptide (Center) - Images

(Mouse) Msi1 Blocking Peptide (Center) - Background

RNA binding protein that regulates the expression of target mRNAs at the translation level. Regulates expression of the NOTCH1 antagonist NUMB. Binds RNA containing the sequence 5'-GUUAGUUAGUUAGUU-3' and other sequences containing the pattern 5'-[GA]U(1-3)AGU-3'. May play a role in the proliferation and maintenance of stem cells in the central nervous system.

(Mouse) Msi1 Blocking Peptide (Center) - References

Sakakibara S., et al. Dev. Biol. 176:230-242(1996).
Carninci P., et al. Science 309:1559-1563(2005).
Imai T., et al. Mol. Cell. Biol. 21:3888-3900(2001).
Sakakibara S., et al. Proc. Natl. Acad. Sci. U.S.A. 99:15194-15199(2002).
Nagata T., et al. J. Mol. Biol. 287:315-330(1999).