



MSI1 Blocking Peptide (Center)

Synthetic peptide Catalog # BP21004a

Specification

MSI1 Blocking Peptide (Center) - Product Information

Primary Accession 043347

Other Accession <u>Q920Q6</u>, <u>Q96DH6</u>, <u>Q8K3P4</u>, <u>Q61474</u>

MSI1 Blocking Peptide (Center) - Additional Information

Gene ID 4440

Other Names

RNA-binding protein Musashi homolog 1, Musashi-1, MSI1

Target/Specificity

The synthetic peptide sequence is selected from aa 144-156 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.

MSI1 Blocking Peptide (Center) - Protein Information

Name MSI1

Function

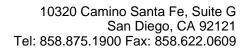
RNA binding protein that regulates the expression of target mRNAs at the translation level. Regulates expression of the NOTCH1 antagonist NUMB. Binds RNA

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 (By similarity).

MSI1 Blocking Peptide (Center) - References

Good P.,et al.Genomics 52:382-384(1998). Scherer S.E.,et al.Nature 440:346-351(2006). Shu H.-J.,et al.Biochem. Biophys. Res. Commun. 293:150-154(2002). Okano H.,et al.J. Cell Sci. 115:1355-1359(2002). Gauci S.,et al.Anal. Chem. 81:4493-4501(2009).





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Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q61474}. Nucleus {ECO:0000250|UniProtKB:Q61474}

Tissue Location

Detected in fetal kidney, brain, liver and lung, and in adult brain and pancreas. Detected in hepatoma cell lines

MSI1 Blocking Peptide (Center) - Protocols

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

• Blocking Peptides