

**MSI1 Blocking Peptide (Center)**

Synthetic peptide

Catalog # BP21004a

**Specification****MSI1 Blocking Peptide (Center) - Product Information**

Primary Accession [Q43347](#)  
Other Accession [Q920Q6](#), [Q96DH6](#),  
[Q8K3P4](#), [Q61474](#)

**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).

containing the sequence  
5'-GUUAGUUAGUUAGUU- 3' and other  
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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](#)