

**Musashi-1 Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AP52765**

**Specification**

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**Musashi-1 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O43347</a>
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Calculated MW	39 KDa

**Musashi-1 Antibody - Additional Information**

**Gene ID** 4440

**Other Names**

MSI1;Musashi-1;Msi 1;Msi1;MSI1H\_HUMAN;Musashi homolog 1;Musashi-1;Musashi1;RNA binding protein Musashi homolog 1;RNA-binding protein Musashi homolog 1.

**Dilution**

WB~~1:1000

**Format**

Purified mouse monoclonal in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide, 50% glycerol, 0.1%BSA

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

**Musashi-1 Antibody - 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 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).

**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

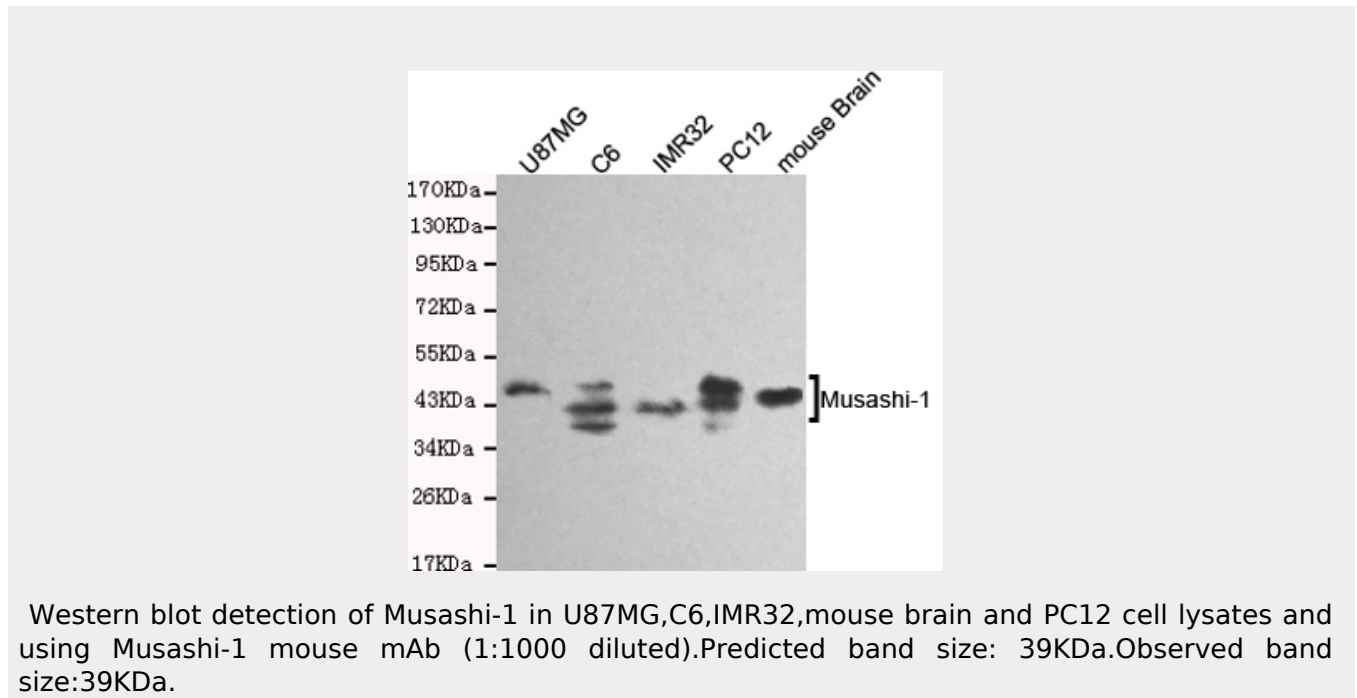
hepatoma cell lines

### Musashi-1 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Musashi-1 Antibody - Images



### Musashi-1 Antibody - 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).

### Musashi-1 Antibody - 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).