

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

Musashi-1 Antibody - Product Information

Application	WB
Primary Accession	O43347
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

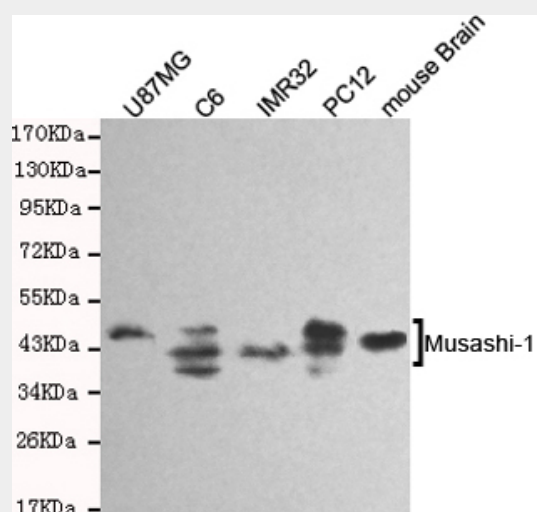
hepatoma cell lines

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



Western blot detection of Musashi-1 in U87MG, C6, IMR32, mouse brain and PC12 cell lysates and using Musashi-1 mouse mAb (1:1000 diluted). Predicted band size: 39KDa. Observed band size: 39KDa.

Musashi-1 Antibody - Background

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Musashi-1 Antibody - References

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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).