

**Musashi 1 Antibody**  
**Rabbit mAb**  
**Catalog # AP90286**

**Specification**

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**Musashi 1 Antibody - Product Information**

Application **WB, IHC, FC, ICC, IP**  
Primary Accession **[O43347](#)**  
Clonality **Monoclonal**  
**Other Names**  
RNA-binding protein Musashi homolog 1; Musashi-1; MSI1;

Isotype **Rabbit IgG**  
Host **Rabbit**  
Calculated MW **39125 Da**

**Musashi 1 Antibody - Additional Information**

Purification **Affinity-chromatography**  
Immunogen **A synthesized peptide derived from human Musashi 1 / Msi1**  
Description **Regulates expression of the NOTCH1 antagonist NUMB. Binds RNA containing the sequence 5'-GUUAGUUAGUUAGUU-3' and other sequences containing the pattern 5'-[GA]U1-3AGU-3'. May play a role in the proliferation and maintenance of stem cells in the central nervous system.**  
Storage Condition and Buffer **Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

**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}

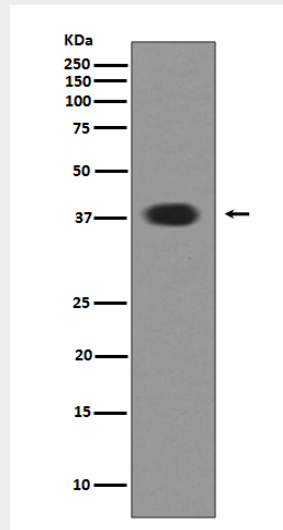
**Tissue Location**

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 analysis of Musashi 1 expression in SH-SY-5Y cell lysate.