

**(Mouse) Msi1 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5419**

**Specification**

**(Mouse) Msi1 Antibody (Center) - Product Information**

|                   |                                                 |
|-------------------|-------------------------------------------------|
| Application       | WB,E                                            |
| Primary Accession | <a href="#">Q61474</a>                          |
| Other Accession   | <a href="#">Q8K3P4</a> , <a href="#">Q43347</a> |
| Reactivity        | Human, Mouse                                    |
| Predicted         | Rat                                             |
| Host              | Rabbit                                          |
| Clonality         | Polyclonal                                      |
| Calculated MW     | M=39,<br>34;H=39;R=39<br>KDa                    |
| Isotype           | Rabbit Ig                                       |
| Antigen Source    | HUMAN                                           |

**(Mouse) Msi1 Antibody (Center) - Additional Information**

**Gene ID** 17690

**Antigen Region**  
81-113

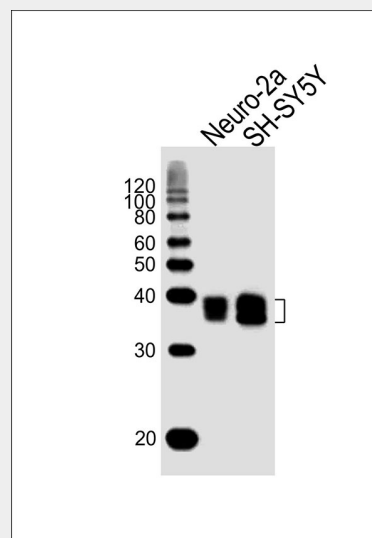
**Other Names**  
RNA-binding protein Musashi homolog 1,  
Musashi-1, Msi1, Msi1h

**Dilution**  
WB~~1:1000

**Target/Specificity**  
This mouse Msi1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 81-113 amino acids from the Central region of mouse Msi1.

**Format**  
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**  
Maintain refrigerated at 2-8°C for up to 2



All lanes : Anti-Msi1 Antibody (Center) at 1:1000 dilution Lane 1: Neuro-2a whole cell lysates Lane 2: SH-SY5Y whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

**(Mouse) Msi1 Antibody (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.

**(Mouse) Msi1 Antibody (Center) - References**

Sakakibara S., et al. Dev. Biol. 176:230-242(1996).

weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

(Mouse) Msi1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Carninci P., et al. Science 309:1559-1563(2005).  
Imai T., et al. Mol. Cell. Biol. 21:3888-3900(2001).  
Sakakibara S., et al. Proc. Natl. Acad. Sci. U.S.A. 99:15194-15199(2002).  
Nagata T., et al. J. Mol. Biol. 287:315-330(1999).

**(Mouse) Msi1 Antibody (Center) - Protein Information**

**Name** Msi1

**Synonyms** Msi1h

**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.

**Cellular Location**

Cytoplasm. Nucleus

**Tissue Location**

Expressed in neural stem and progenitor cells (at protein level) (PubMed:16554442). Detected in olfactory bulb, brain stem, small intestine, and at low levels in brain cortex, hippocampus and ovary (PubMed:8660864). Detected in neural progenitor cells, including neural stem cells (PubMed:8660864)

**(Mouse) Msi1 Antibody (Center) - 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](#)