

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

**Specification**

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

Application	WB,E
Primary Accession	<a href="#">O61474</a>
Other Accession	<a href="#">O8K3P4</a> , <a href="#">O43347</a>
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	M=39, 34;H=39;R=39 KDa
Isotype	Rabbit IgG
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 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.

**(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**

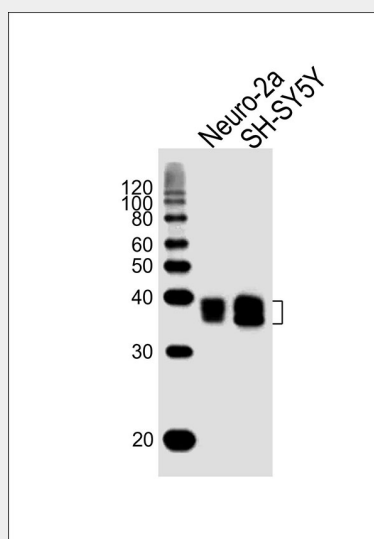
Expressed in neural stem and progenitor cells (at protein level) (PubMed:16554442). Detected in olfactory bulb, brain stem, small intestine, and at low levels in brain cortex, hippocampus and ovary (PubMed:8660864). Detected in neural progenitor cells, including neural stem cells (PubMed:8660864)

**(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](#)

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



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**

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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).