

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

Msi1 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O43347
Other Accession	O61474
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

Msi1 Antibody (Center) - Additional Information**Gene ID** 4440**Antigen Region**
81-113**Other Names**

RNA-binding protein Musashi homolog 1, Musashi-1, Msi1, Msi1h

Dilution

WB~~1:1000

Target/Specificity

This 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

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

Msi1 Antibody (Center) - 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}

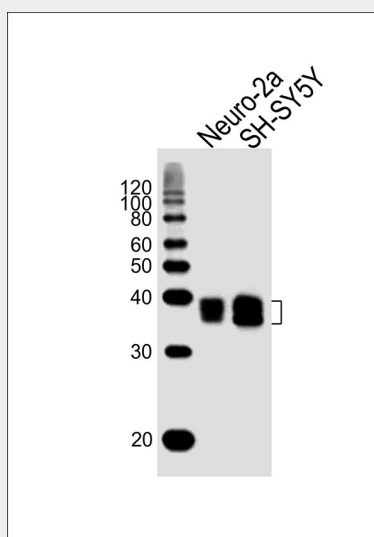
Tissue Location

Detected in fetal kidney, brain, liver and lung, and in adult brain and pancreas. Detected in hepatoma cell lines

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](#)

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.

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.

Msi1 Antibody (Center) - References

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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).