

(Mouse) Msi1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20967a

Product Information

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|--------------------------|------------------------|
| Application | WB, E |
| Primary Accession | Q61474 |
| Reactivity | Human, Rat, Mouse |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Clone Names | RB51509 |
| Calculated MW | 39119 |

Additional Information

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|---------------------------|--|
| Gene ID | 17690 |
| Other Names | RNA-binding protein Musashi homolog 1, Musashi-1, Msi1, Msi1h |
| 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. |
| Dilution | WB~~1:1000 E~~Use at an assay dependent concentration. |
| 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. |

Protein Information

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|-----------------|---|
| 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)

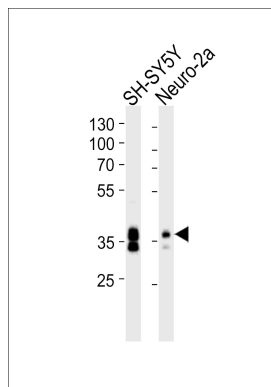
Background

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.

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).
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Images



Western blot analysis of lysates from SH-SY5Y, Neuro-2a cell line (from left to right), using (Mouse) Msi1 Antibody (Center)(Cat. #AP20967a). AP20967a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.