

# MSI2 Antibody

Purified Mouse Monoclonal Antibody

Catalog # AO1530a

## Product Information

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<b>Application</b>	WB, IHC, E
<b>Primary Accession</b>	<a href="#">Q96DH6</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone Names</b>	2C11
<b>Isotype</b>	IgG1
<b>Calculated MW</b>	35197
<b>Description</b>	Msi2 (musashi homolog 2), also known as MSI2H, is a 328 amino acid protein that localizes to the cytoplasm and contains two RRM (RNA recognition motif) domains. Expressed ubiquitously at low levels, Msi2 functions as an RNA binding protein that, by regulating the expression of target mRNAs, is thought to play a role in the proliferation and maintenance of stem cells within the central nervous system. Msi2 is subject to posttranslational phosphorylation and is upregulated in response to brain injury, suggesting a role in healing and brain tissue regeneration. Chromosomal aberrations involving the Msi2 gene are associated with the progression of chronic myeloid leukemia. Multiple isoforms of Msi2 exist due to alternative splicing events. Tissue specificity: Ubiquitous; detected at low levels.
<b>Immunogen</b>	Purified recombinant fragment of human MSI2 expressed in E. Coli.
<b>Formulation</b>	Ascitic fluid containing 0.03% sodium azide.

## Additional Information

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<b>Gene ID</b>	124540
<b>Other Names</b>	RNA-binding protein Musashi homolog 2, Musashi-2, MSI2
<b>Dilution</b>	WB~~1/500 - 1/2000 IHC~~1/500 - 1/2000 E~~1/10000
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	MSI2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	MSI2
<b>Function</b>	RNA binding protein that regulates the expression of target mRNAs at the translation level. May play a role in the proliferation and maintenance of stem cells in the central nervous system (By similarity).
<b>Cellular Location</b>	Cytoplasm. Note=Associated with polysomes.
<b>Tissue Location</b>	Ubiquitous; detected at low levels.

## References

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1. Am J Hum Genet. 2009 Nov;85(5):628-42. 2. Haematologica. 2008 Dec;93(12):1903-7.

## Images

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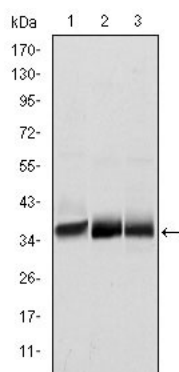


Figure 1: Western blot analysis using MSI2 mouse mAb against NTERA-2 (1), SW620 (2) and T47D (3) cell lysate.

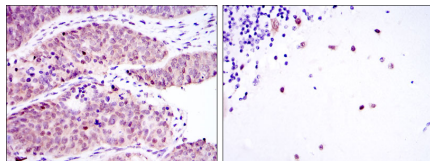


Figure 2: Immunohistochemical analysis of paraffin-embedded ovarian cancer (left) and cerebellum tissues (right) using MSI2 mouse mAb with DAB staining.

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