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MSI2 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1530a

Product Information

Application	WB, IHC, E
Primary Accession	Q96DH6
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	2C11
Isotype	IgG1
Calculated MW	35197
Description	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.
Immunogen	Purified recombinant fragment of human MSI2 expressed in E. Coli.
Formulation	Ascitic fluid containing 0.03% sodium azide.

Additional Information

Gene ID	124540
Other Names	RNA-binding protein Musashi homolog 2, Musashi-2, MSI2
Dilution	WB~~1/500 - 1/2000 IHC~~1/500 - 1/2000 E~~1/10000
Storage	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.
Precautions	MSI2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MSI2
Function	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).
Cellular Location	Cytoplasm. Note=Associated with polysomes.
Tissue Location	Ubiquitous; detected at low levels.

References

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

Images

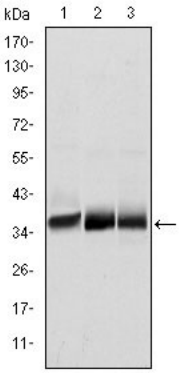


Figure 1: Western blot analysis using MSI2 mouse mAb against NTERA-2 (1), SW620 (2) and T47D (3) cell lysate.

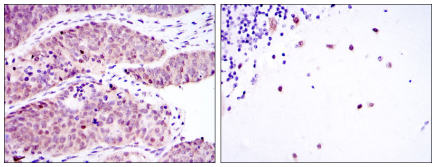


Figure 2: Immunohistochemical analysis of paraffin-embedded ovarian cancer (left) and cerebellum tissues (right) using MSI2 mouse mAb with DAB staining.

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