

Msi2 (T-16): sc-83160

BACKGROUND

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 post-translational 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.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: MSI2 (human) mapping to 17q22; Msi2 (mouse) mapping to 11 C.

SOURCE

Msi2 (T-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of Msi2 of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-83160 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Msi2 (T-16) is recommended for detection of Msi2 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with family member Msi1.

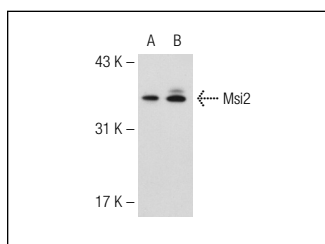
Msi2 (T-16) is also recommended for detection of Msi2 in additional species, including equine, canine, bovine and avian.

Suitable for use as control antibody for Msi2 siRNA (h): sc-75834, Msi2 siRNA (m): sc-75835, Msi2 shRNA Plasmid (h): sc-75834-SH, Msi2 shRNA Plasmid (m): sc-75835-SH, Msi2 shRNA (h) Lentiviral Particles: sc-75834-V and Msi2 shRNA (m) Lentiviral Particles: sc-75835-V.

Molecular Weight of Msi2 isoforms: 35/37 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227, IMR-32 cell lysate: sc-2409 or HL-60 whole cell lysate: sc-2209.

DATA



Msi2 (T-16): sc-83160. Western blot analysis of Msi2 expression in IMR-32 (A) and HL-60 (B) whole cell lysates.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.


 MONOS
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Try **Msi2 (2C11G4): sc-517212**, our highly recommended monoclonal alternative to Msi2 (T-16).