

## MSI2 Antibody

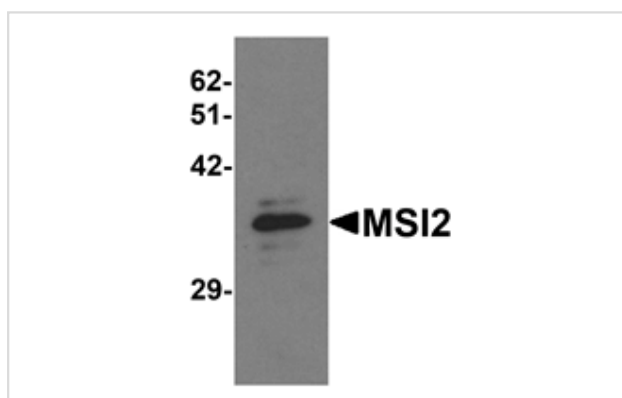
Catalog No: #25306

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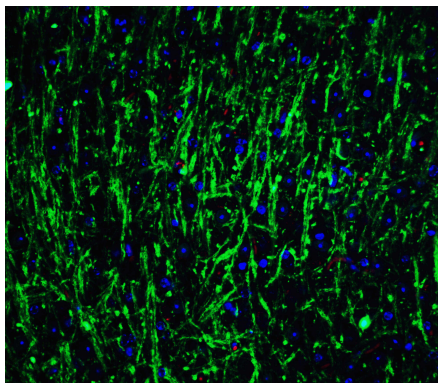
## Description

Product Name	MSI2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB
Species Reactivity	Hu Ms Rt
Specificity	MSI2 antibody is predicted to not cross-react with MSI1. Multiple isoforms of MSI2 are known to exist.
Immunogen Type	Peptide
Immunogen Description	Raised against a 15 amino acid peptide near the amino terminus of human MSI2.
Target Name	MSI2
Other Names	Musashi homolog 2, MSI2H
Accession No.	Swiss-Prot:Q96DH6Gene ID:124540
Uniprot	Q96DH6
GeneID	124540;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at 4 °C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

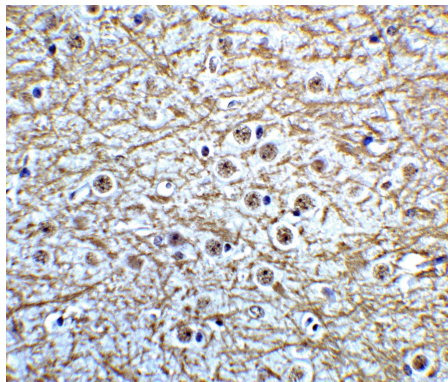
## Images



Western blot analysis of MSI2 in EL4 cell lysate with MSI2 antibody at 1 ug/mL.



Immunofluorescence of MSI2 in mouse brain tissue with MSI2 Antibody at 20  $\mu\text{g/mL}$ .



Immunohistochemistry of MSI2 in mouse brain tissue with MSI2 Antibody at 5  $\mu\text{g/mL}$ .

## Background

Musashi2 (MSI2) is an RNA-binding protein that is highly expressed in precursor cells in the ventricular and subventricular zones of the developing mammalian CNS. Like the related MSI1, MSI2 has been suggested to be involved in stem cell production and maintenance. MSI2 is the predominant MSI protein in hematopoietic stem cells, and its knockdown leads to reduced engraftment and depletion *in vivo*. Expression levels of MSI2 are elevated in myeloid leukemia cell lines, and MSI2 appears to cooperate with BCR-ABL1 to induce an aggressive leukemia; the level of MSI2 directly correlates with decreased survival in patients. MSI2 negatively regulates the asymmetric cell fate determinant NUMB, suggesting that this signaling pathway may provide future targets for future therapies.

Note: This product is for *in vitro* research use only