

For Research Use Only

# MSI1 Recombinant monoclonal antibody

Catalog Number: 86723-1-RR



## Basic Information

Catalog Number:

86723-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26042

GenBank Accession Number:

BC146463

GeneID (NCBI):

4440

UNIPROT ID:

O43347

Full Name:

musashi homolog 1 (Drosophila)

Calculated MW:

362 aa, 39 kDa

Observed MW:

37-40 kDa

Purification Method:

Protein A purification

CloneNo.:

251695G8

Recommended Dilutions:

WB: 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HEK-293T cells, mouse brain tissue, SH-SY5Y cells, COLO 320 cells, Neuro-2a cells, PC-12 cells, rat brain tissue

## Background Information

Musashi1 (Msi1) is an RNA-binding protein expressed in neural progenitor cells and neural stem cells. The gene encoding human Msi1 encodes a 362 amino acid protein. In murine embryonic neural progenitor cells, Msi1 localizes to the cytoplasm and is downregulated during differentiation. Msi1 binds to NUMB, which encodes a membrane-associated antagonist of Notch signaling. Msi1 appears to function in the proliferation and maintenance of stem cell populations of the central nervous system. In addition to its usefulness as a marker for neural progenitor cells in normal human brains, Msi1 is also a marker for human gliomas. In rats, Msi1 is expressed in Sertoli cells of the testis and granulosa cells of the ovary.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

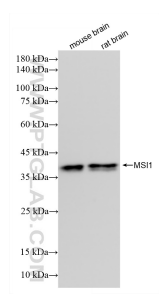
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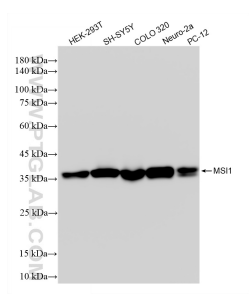
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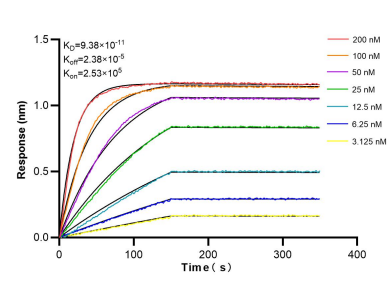
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86723-1-RR (MSI1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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Biolayer interferometry (BLI) kinetic assays of 86723-1-RR against Human MSI1 were performed. The affinity constant is 93.8 pM.