

For Research Use Only

# MSI1 Polyclonal antibody

Catalog Number: 27185-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 27185-1-AP	<b>GenBank Accession Number:</b> BC146463	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 400 µg/ml	<b>GeneID (NCBI):</b> 4440	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O43347	
<b>Isotype:</b> IgG	<b>Full Name:</b> musashi homolog 1 (Drosophila)	
<b>Immunogen Catalog Number:</b> AG26042	<b>Calculated MW:</b> 362 aa, 39 kDa	
	<b>Observed MW:</b> 35 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, Caco-2 cells, HEK-293T cells IHC : human gliomas tissue,
<b>Cited Applications:</b> WB, IF	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Robert F Candia	35592115	Front Mol Neurosci	IF
Wei Jia	29568859	Int J Oncol	WB
Huaizeng Chen	31031868	J Cancer	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

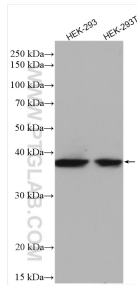
T: 4006900926

E: Proteintech-CN@ptglab.com

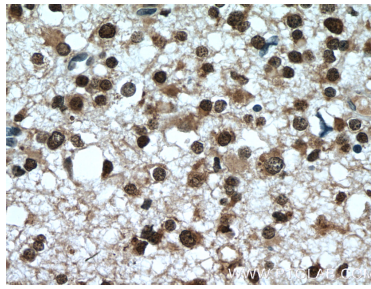
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27185-1-AP (MSI1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 27185-1-AP (MSI1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).