

Rabbit Musashi 1 Polyclonal Antibody | anti-MSI1 antibody

Anti-Musashi 1 Antibody

CATALOG # AAA72775	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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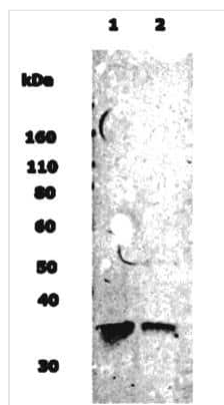
PRODUCT SYNONYMS

Musashi 1; Polyclonal Antibody; Anti-Musashi 1 Antibody; MSI1; RNA-binding protein Musashi homolog 1; anti-MSI1 antibody

PRODUCT SPECIFICATIONS

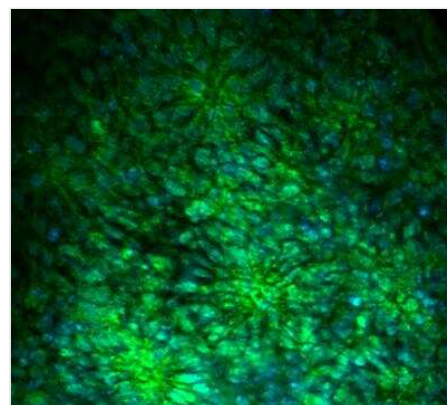
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Reacts with the N-terminal region of the human, mouse and rat Musashi 1 protein
Form/Format	Liquid; Antigen Affinity Purified; PBS + 0.02% NaN3
Applicable Applications for anti-MSI1 antibody	WB (Western Blot)
Immunogen Species	Human
Immunogen	Synthetic peptide corresponding to amino acids from the N-terminal region of the human, mouse and rat Musashi 1 protein
Country of Origin	United States
Preparation and Storage	Recommended that the undiluted antibody be aliquoted into smaller working volumes (10-30 uL/vial depending on usage) upon arrival and stored long term at -20 degree C or -80 degree C, while keeping a working aliquot stored at 4 degree C for short term. Avoid freeze/thaw cycles. Stable for at least 1 year. After date of receipt, stable for at least 1 year at -20 degree C.

IMAGES



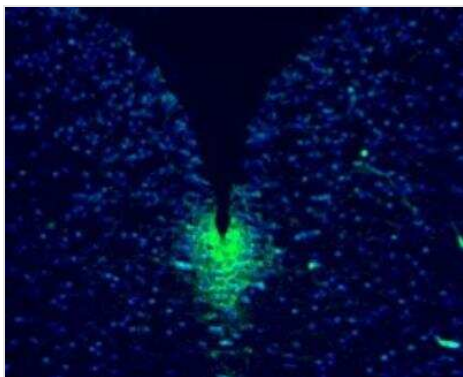
WB (Western Blot)

Western Blot of 10 ug of rat neural stem cell lysate (lane 1) and normal human brain lysate (lane 2) showing specific immunolabeling of Musashi-1.



ICC (Immunocytochemistry)

Immunocytochemistry of human neural rosettes showing specific staining of Musashi-1 in green. Nuclei are counterstained blue (DAPI). Cells were fixed with 4 percent PFA. No antigen retrieval was done.



IHC (Immunohistochemistry)
 Immunohistochemistry of the ventricular zone of E14.5 mouse medulla showing specific staining of Musashi-1. Image taken at 200x magnification. The sections were 4% PFA fixed, paraffin-embedded and cut at 5 microns.

ADDITIONAL INFORMATION

Related Product Information for anti-MSI1 antibody	Musashi 1 rabbit polyclonal primary antibody from the lab is produced in-house. It detects human, mouse, and rat Musashi 1 and is antigen affinity purified. It is great for use in WB. Musashi 1, a neural RNA-binding protein, plays an important role in regulating cell differentiation in precursor cells. Musashi 1 (Msi-1) has been shown to increase the accumulation of tau isoforms in intracellular inclusions in dementia and Parkinson's. The presence of Msi-1 in a significant percentage of neurons containing cytoplasmic inclusions in 2 other neurodegenerative diseases Alzheimer's disease and Pick disease suggests that it may play a role in the pathogenesis of these neurodegenerative disorders. Musashi 1 has also been detected in human tumor tissues such as gliomas and melanomas, suggesting its involvement in cancer development. Msi-1 also appears to play a vital role in the development of several types of carcinoma such as human hepatoma, and may be a useful molecular marker for tumor detection.
Product Categories/Family for anti-MSI1 antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505255
NCBI GeneID	4440
NCBI Accession #	NP_002433.1
NCBI GenBank Nucleotide #	NM_002442.3
UniProt Accession #	O43347 ; Q96PU0 ; Q96PU1 ; Q96PU2 ; Q96PU3
Molecular Weight	362
NCBI Official Full Name	RNA-binding protein Musashi homolog 1
NCBI Official Synonym Full Names	musashi RNA-binding protein 1
NCBI Official Symbol	MSI1
NCBI Protein Information	RNA-binding protein Musashi homolog 1; musashi1; musashi-1
UniProt Protein Name	RNA-binding protein Musashi homolog 1
UniProt Gene Name	MSI1
UniProt Synonym Gene Names	Musashi-1
UniProt Entry Name	MSI1H_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/musashi-1-antibody-western-blot-elisa/72775>