

Rabbit Musashi 1/Msi1 Polyclonal Antibody | anti-MSI1 antibody

Anti-Musashi 1/Msi1 Picoband Antibody

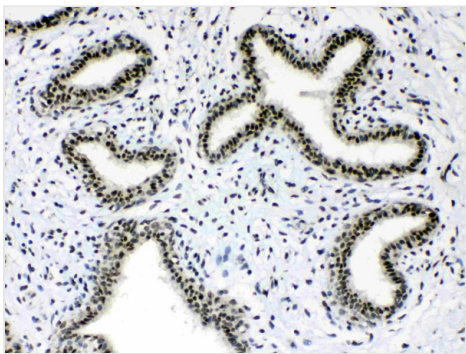
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19172	Rabbit	Human, Mouse, Rat No cross reactivity with other proteins	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Musashi 1/Msi1; Polyclonal Antibody; Anti-Musashi 1/Msi1 Picoband Antibody; RNA-binding protein Musashi homolog 1; Musashi-1; MSI1; anti-MSI1 antibody

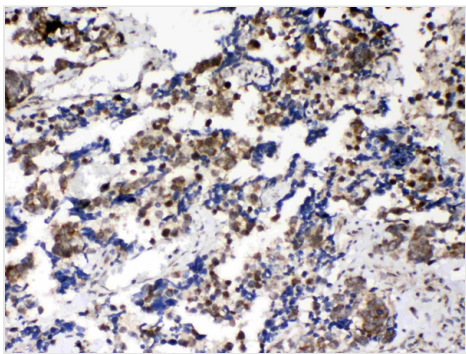
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml. (varies by lot)
Sequence Length	362
Applicable Applications for anti-MSI1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	Immunohistochemistry (Paraffin-embedded Section): 0.5-1mug/ml (By Heat) WB: 0.1-0.5mug/ml
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Musashi 1/Msi1 (21-54aa KMFIGGLSWQTTQEGLREYFGQFGEVKECLVMRD), identical to the related mouse and rat sequences.
Subcellular Localization	Cytoplasm. Nucleus.
Tissue Specificity	Detected in fetal kidney, brain, liver and lung, and in adult brain and pancreas. Detected in hepatoma cell lines.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



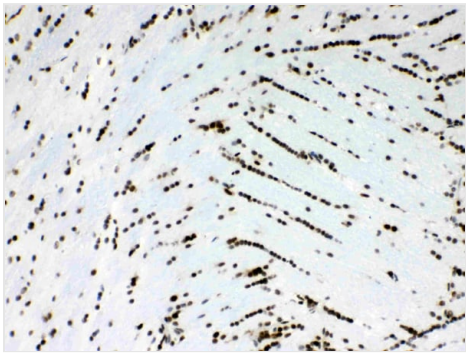
IHC (Immunohistochemistry)

Figure 6. IHC analysis of Musashi 1/Msi1 using anti- Musashi 1/Msi1 antibody (AAA19172).Musashi 1/Msi1 was detected in paraffin-embedded section of human mammary cancer tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti- Musashi 1/Msi1 Antibody (AAA19172) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



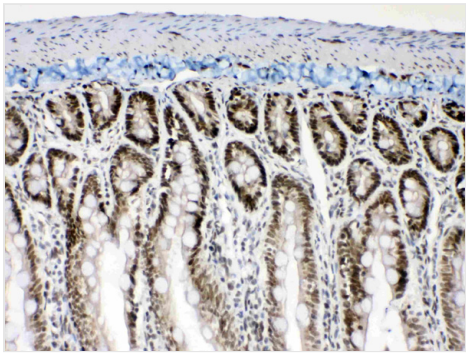
IHC (Immunohistochemistry)

Figure 5. IHC analysis of Musashi 1/Msi1 using anti- Musashi 1/Msi1 antibody (AAA19172).Musashi 1/Msi1 was detected in paraffin-embedded section of human lung cancer tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti- Musashi 1/Msi1 Antibody (AAA19172) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



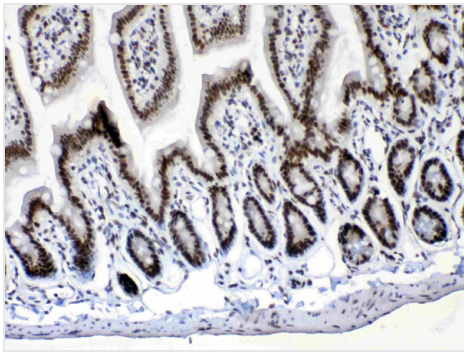
IHC (Immunohistochemistry)

Figure 4. IHC analysis of Musashi 1/Msi1 using anti- Musashi 1/Msi1 antibody (AAA19172).Musashi 1/Msi1 was detected in paraffin-embedded section of rat brain tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti- Musashi 1/Msi1 Antibody (AAA19172) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



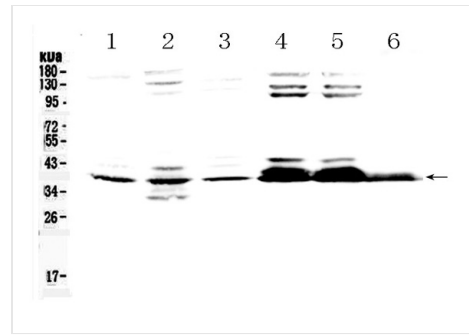
IHC (Immunohistochemistry)

Figure 3. IHC analysis of Musashi 1/Msi1 using anti- Musashi 1/Msi1 antibody (AAA19172).Musashi 1/Msi1 was detected in paraffin-embedded section of rat intestine tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti- Musashi 1/Msi1 Antibody (AAA19172) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of Musashi 1/Msi1 using anti- Musashi 1/Msi1 antibody (AAA19172). Musashi 1/Msi1 was detected in paraffin-embedded section of mouse intestine tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti- Musashi 1/Msi1 Antibody (AAA19172) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of Musashi 1/Msi1 using anti- Musashi 1/Msi1 antibody (AAA19172). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: rat testis tissue lysates, Lane 3: mouse brain tissue lysates, Lane 4: 293T whole Cell lysates, Lane 5: 293T whole Cell lysates, Lane 6: HEPG2 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti- Musashi 1/Msi1 antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Musashi 1/Msi1 at approximately 39KD. The expected band size for Musashi 1/Msi1 is at 39KD.

ADDITIONAL INFORMATION

Related Product Information for anti-MSI1 antibody	Description: RNA-binding protein Musashi homolog 1 is a protein that in humans is encoded by the MSI1 gene. This gene encodes a protein containing two conserved tandem RNA recognition motifs. Similar proteins in other species function as RNA-binding proteins and play central roles in posttranscriptional gene regulation. Expression of this gene has been correlated with the grade of the malignancy and proliferative activity in gliomas and melanomas. A pseudogene for this gene is located on chromosome 11q13. Protein Function: RNA binding protein that regulates the expression of target mRNAs at the translation level. Regulates expression of the NOTCH1 antagonist NUMB. Binds RNA containing the sequence 5'-GUUAGUUAGUUAGUU-3' and other sequences containing the pattern 5'-[GA]U(1-3)AGU-3'. May play a role in the proliferation and maintenance of stem cells in the central nervous system (By similarity).
Product Categories/Family for anti-MSI1 antibody	Neuroscience; Cell Type Marker; Neural Stem Cell Marker; Neuroscience; Neurology Process; Neurogenesis; Stem Cells; Signaling Pathways; notch; Cytoplasmic; Nuclear; Neural Stem Cells; Intracellular; Glial Restricted Lineage; Astrocyte

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	39125 MW
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
UniProt Protein Name	RNA-binding protein Musashi homolog 1

UniProt Gene Name	MSI1
UniProt Synonym Gene Names	Musashi-1

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-msi1-antibody-immunohistochemistry-western-blot-elisa/19172>