



Musashi-1 Rabbit mAb

Catalog No	YP-rAb-17276
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	MSI1
Protein Name	RNA-binding protein Musashi homolog 1
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:100-1:400; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	Msi1;RNA-binding protein Musashi homolog 1;MSI1 ; RNA-binding protein Musashi homolog 1 ; Musashi-1
Observed Band	39kD
Calculated Molecular Weight	39kD
Cell Pathway	Cytoplasm . Nucleus .
Tissue Specificity	Detected in fetal kidney, brain, liver and lung, and in adult brain and pancreas . Detected in hepatoma cell lines.
Function	Domain:The first RNA recognition motif binds more strongly to RNA compared to the second one.,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. ,similarity:Belongs to the Musashi family.,similarity:Contains 2 RRM (RNA recognition motif) domains.,tissue specificity:Detected in fetal kidney, brain, liver and lung, and in adult brain and pancreas. Detected in hepatoma cell lines.,
Background	This gene encodes a protein containing two conserved tandem RNA recognition motifs. Similar proteins in other species function as RNA-binding proteins and play



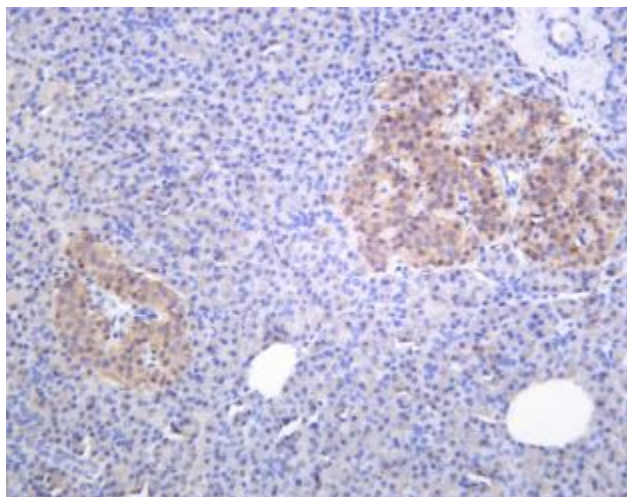
central roles in posttranscriptional gene regulation. Expression of this gene has been correlated with the grade of the malignancy and proliferative activity in gliomas and melanomas. A pseudogene for this gene is located on chromosome 11q13. [provided by RefSeq, Jul 2008],

matters needing attention

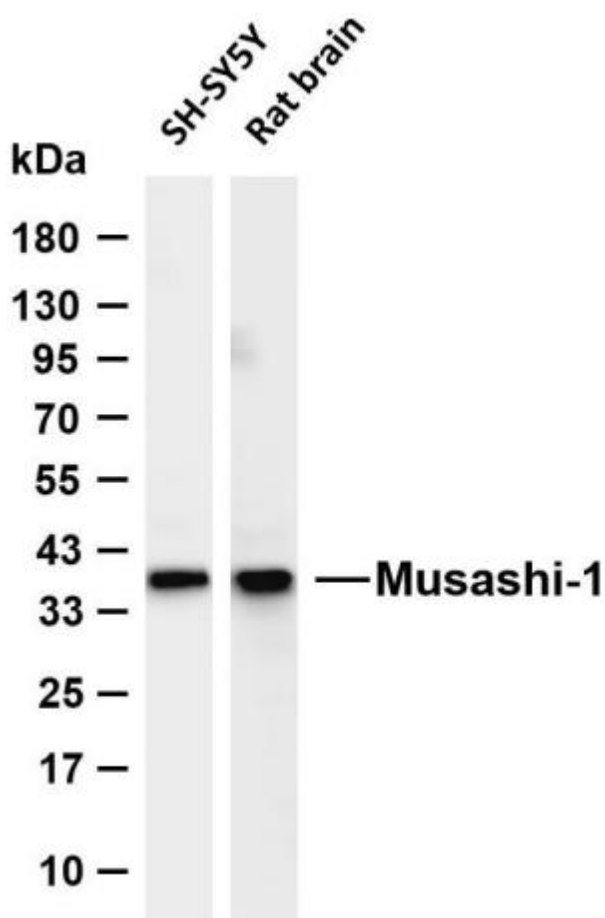
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Human pancreas was stained with anti-Musashi-1 Rabbit antibody



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Musashi-1 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: SH-SY5Y Lane 2: Rat brain
Predicted band size: 39kDa Observed band size: 39kDa

