



Musashi-1 mouse mAb

Catalog No	YP-Ab-01092
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	msi1
Immunogen	Purified recombinant human Musashi-1 protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of Musashi-1 and does not cross-react with related proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb 1:1000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MSI1;Musashi 1;musashi homolog 1;Musashi-1;Msi 1;MSI1H_HUMAN; Musashi1;RNA binding protein Musashi homolog 1;RNA-binding protein Musashi homolog 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],

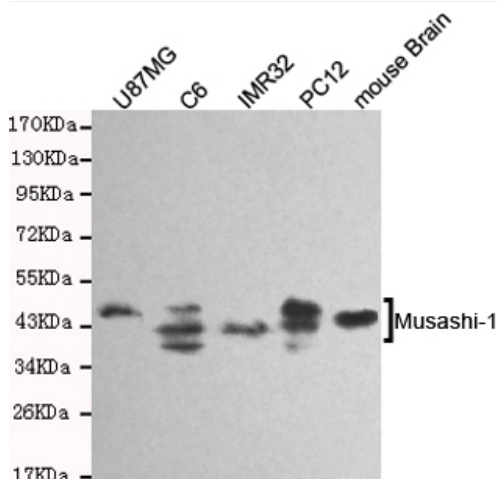
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

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

Products Images



Western blot detection of Musashi-1 in U87MG, C6, IMR32, mouse brain and PC12 cell lysates and using Musashi-1 mouse mAb (1:1000 diluted). Predicted band size: 39KDa. Observed band size: 39KDa.