

Musashi-1 mouse mAb

Catalog No :	YM1336
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	Musashi-1
Fields :	>>mRNA surveillance pathway
Gene Name :	msi1
Human Gene Id :	4440
Human Swiss Prot No :	O43347
Mouse Swiss Prot No :	Q61474
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
Dilution :	wb 1:1000
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	39kD

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],

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.,

Subcellular Location : Cytoplasm . Nucleus .

Expression : Detected in fetal kidney, brain, liver and lung, and in adult brain and pancreas. Detected in hepatoma cell lines.

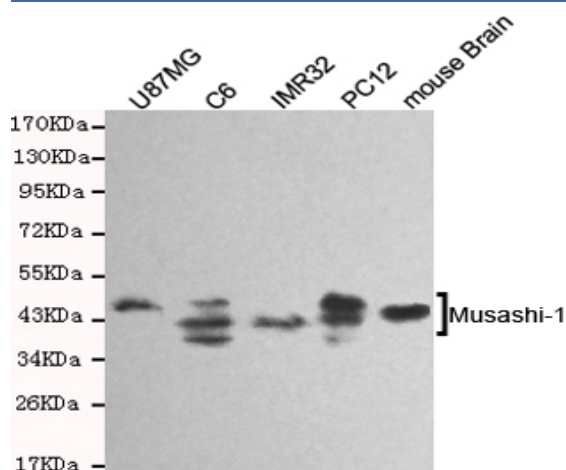
Sort : 10394

No4 : 1

Host : Mouse

Modifications : Unmodified

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.