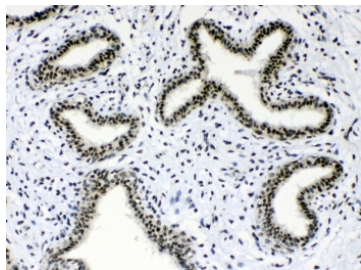


Musashi Antibody / MSI1 (R32645)

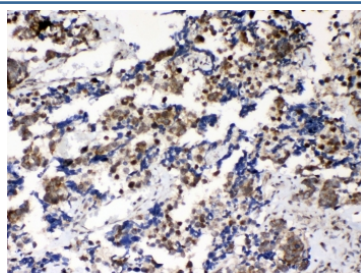
Catalog No.	Formulation	Size
R32645	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

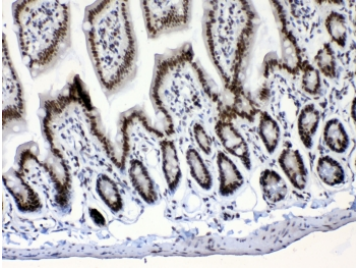
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	O43347
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Immunofluorescence : 5ug/ml
Limitations	This Musashi antibody is available for research use only.



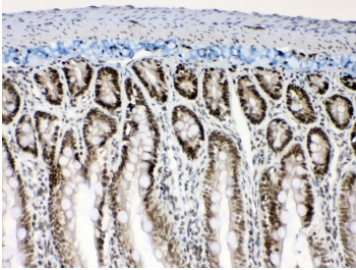
IHC testing of FFPE human breast cancer tissue with Musashi antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



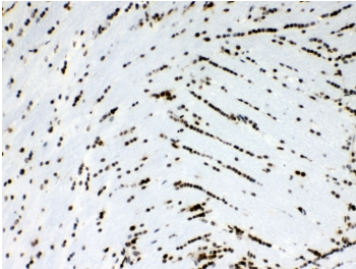
IHC testing of FFPE human lung cancer tissue with Musashi antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



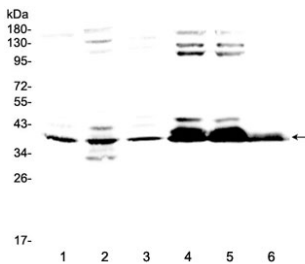
IHC testing of FFPE mouse intestine tissue with Musashi antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



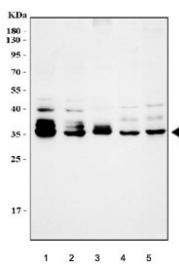
IHC testing of FFPE rat intestine tissue with Musashi antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



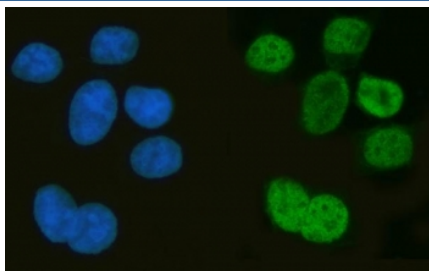
IHC testing of FFPE rat brain tissue with Musashi antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



Western blot testing of 1) rat brain, 2) rat testis, 3) mouse brain, 4) human 293T, 5) human 293T and 6) human HepG2 lysate with Musashi antibody at 0.5ug/ml. Predicted molecular weight ~39 kDa.



Western blot testing of 1) human 293T, 2) human T-47D, 3) human COLO-320, 4) rat brain and 5) mouse brain lysate with Musashi antibody at 0.5ug/ml. Predicted molecular weight ~39 kDa.



Immunofluorescent staining of FFPE human MCF7 cells with Musashi antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.

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.

Application Notes

Optimal dilution of the Musashi antibody should be determined by the researcher.

Immunogen

Amino acids 21-54 (KMFIGGLSWQTTQEGLREYFGQFGEVKECLVMRD) from the human protein were used as the immunogen for the Musashi antibody.

Storage

After reconstitution, the Musashi antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.