

## Anti-Musashi 1 Antibody (90962)

## Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 39 kDa. Actual: 40 kDa.
Clone:	90962
Purification:	Protein A purified

## Applications

## Verified Activity:

- 25 µg total protein per lane of various lysates (see on figure) probed with Musashi 1 monoclonal antibody, unconjugated (TMAB-09116) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
- Paraformaldehyde-fixed, paraffin embedded Human Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Musashi 1 Monoclonal Antibody, Unconjugated (TMAB-09116) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.
- Paraformaldehyde-fixed, paraffin embedded Human Pancreas; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Musashi 1 Monoclonal Antibody, Unconjugated (TMAB-09116) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.
- 4% Paraformaldehyde-fixed SH-SY5Y (H) cell; Triton X-100 at r. T. for 20 min; Antibody incubation with (Musashi 1) monoclonal Antibody, unconjugated (TMAB-09116) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green) at 37°C for 90 min, DAPI (blue) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.
- The SH-SY5Y (H) cells were fixed with 4% PFA (10 min at r. T.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r. T.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-Musashi 1 antibody (TMAB-09116, 1:100); Isotype Control (orange): Rabbit IgG. Blank control (black): PBS. Acquisition of 20,000 events was performed.

Application: WB,IHC-P,IHC-Fr,IF,IP,FCM,ICC/IF

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; IP: 1:20-50; FCM: 1:50-100; ICC/IF: 1:50-200

## Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: A synthesized peptide: human Musashi 1  
Antigen Species: Human  
Gene ID: 4440  
Uniprot ID: O43347

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### Research Background

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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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