

## anti- RBM4 antibody

### Product Information

Catalog No.:	FNab07176
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

RNA-binding factor involved in multiple aspects of cellular processes like alternative splicing of pre-mRNA and translation regulation. Modulates alternative 5'-splice site and exon selection. Acts as a muscle cell differentiation-promoting factor. Activates exon skipping of the PTB pre-mRNA during muscle cell differentiation. Antagonizes the activity of the splicing factor PTBP1 to modulate muscle cell-specific exon selection of alpha tropomyosin. Binds to intronic pyrimidine-rich sequence of the TPM1 and MAPT pre-mRNAs. Required for the translational activation of PER1 mRNA in response to circadian clock. Binds directly to the 3'-UTR of the PER1 mRNA. Exerts a suppressive activity on Cap-dependent translation via binding to CU-rich responsive elements within the 3'UTR of mRNAs, a process increased under stress conditions or during myocytes differentiation. Recruits EIF4A1 to stimulate IRES-dependent translation initiation in response to cellular stress. Associates to internal ribosome entry segment(IRES) in target mRNA species under stress conditions. Plays a role for miRNA-guided RNA cleavage and translation suppression by promoting association of AGO2-containing miRNPs with their cognate target mRNAs. Associates with miRNAs during muscle cell differentiation. Binds preferentially to 5'-CGCGCG[GCA]-3' motif in vitro.

### Immunogen information

Immunogen: RNA binding motif protein 4

### Wuhan Fine Biotech Co., Ltd.

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Synonyms: RBM4A  
Observed MW: 40 kDa  
UniprotID : Q9BWF3

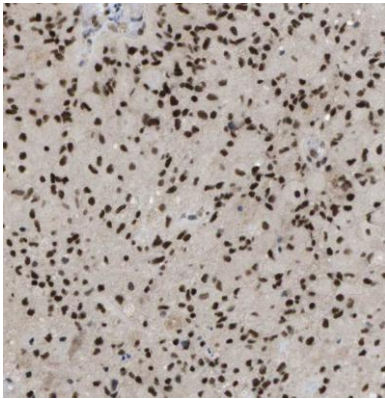
### Application

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, WB, IHC, IF, IP

Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:1000; IHC: 1:20-1:200; IF: 1:20-1:200

Image:



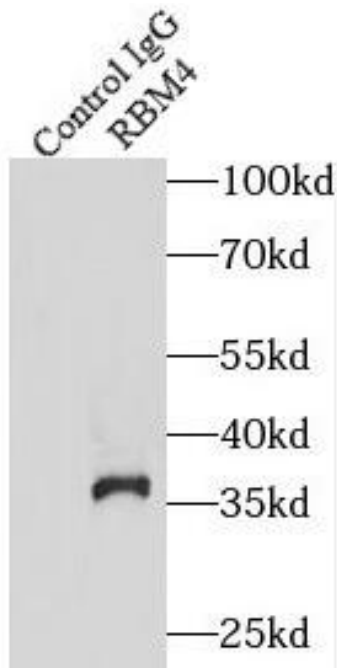
Immunohistochemistry of paraffin-embedded human gliomas using FNab07176(RBM4 antibody) at dilution of 1:50

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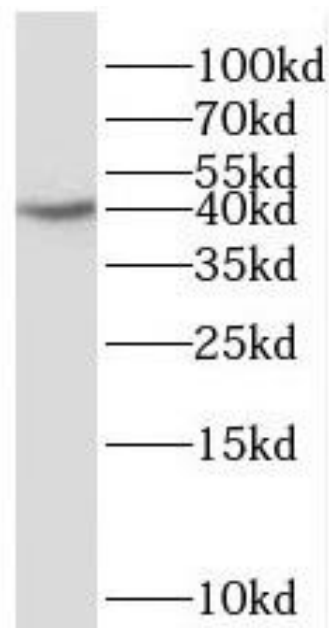
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IP Result of anti-RBM4 (IP:FNab07176, 3ug;  
Detection:FNab07176 1:1000) with mouse heart  
tissue lysate 4000ug.



mouse brain tissue were subjected to SDS PAGE  
followed by western blot with FNab07176(RBM4  
antibody) at dilution of 1:500