

# RBM33 Rabbit pAb

RBM33 Rabbit pAb  
Catalog # AP57965

## Product Information

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|----------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>         | WB, IHC-P, IHC-F, IF                                                                                                      |
| <b>Primary Accession</b>   | <a href="#">Q96EV2</a>                                                                                                    |
| <b>Reactivity</b>          | Rat, Human, Mouse                                                                                                         |
| <b>Predicted</b>           | Pig, Dog, Rabbit, Horse                                                                                                   |
| <b>Host</b>                | Rabbit                                                                                                                    |
| <b>Clonality</b>           | Polyclonal                                                                                                                |
| <b>Calculated MW</b>       | 129986                                                                                                                    |
| <b>Physical State</b>      | Liquid                                                                                                                    |
| <b>Immunogen</b>           | KLH conjugated synthetic peptide derived from human RBM33                                                                 |
| <b>Epitope Specificity</b> | 51-150/1170                                                                                                               |
| <b>Isotype</b>             | IgG                                                                                                                       |
| <b>Purity</b>              | affinity purified by Protein A                                                                                            |
| <b>Buffer</b>              | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                         |
| <b>Important Note</b>      | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |

## Additional Information

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|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>     | 155435                                                                                                                                                                                          |
| <b>Other Names</b> | RNA-binding protein 33, Proline-rich protein 8, RNA-binding motif protein 33, RBM33 {ECO:0000303   PubMed:35589130}, PRR8                                                                       |
| <b>Dilution</b>    | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500                                                                                                                                      |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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| <b>Name</b>     | RBM33 {ECO:0000303   PubMed:35589130}                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b> | PRR8                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Function</b> | RNA reader protein, which recognizes and binds specific RNAs, thereby regulating RNA metabolic processes, such as mRNA export, mRNA stability and/or translation (PubMed: <a href="#">35589130</a> , PubMed: <a href="#">37257451</a> ). Binds a subset of intronless RNAs containing GC-rich elements, such as NORAD, and promotes their nuclear export by recruiting target RNAs to components of the |

NXF1-NXT1 RNA export machinery (PubMed:[35589130](#)). Specifically recognizes and binds N6-methyladenosine (m6A)-containing mRNAs, promoting their demethylation by ALKBH5 (PubMed:[37257451](#)). Acts as an molecular adapter, which (1) promotes ALKBH5 recruitment to m6A-containing transcripts and (2) activates ALKBH5 demethylase activity by recruiting SENP1, leading to ALKBH5 deSUMOylation and subsequent activation (PubMed:[37257451](#)).

#### Cellular Location

Nucleus. Cytoplasm. Note=Localizes predominantly to the nucleus.

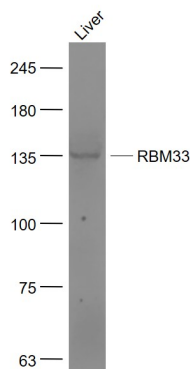
## Background

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## Images

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#### Sample:

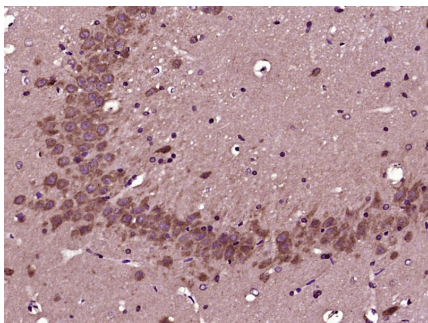
Liver (Mouse) Lysate at 40 ug

Primary: Anti- RBM33 (AP57965) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 130 kD

Observed band size: 130 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RBM33) Polyclonal Antibody, Unconjugated (AP57965) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.