

Datasheet for ABIN7270088  
**anti-RBM7 antibody (AA 1-266)**[Go to Product page](#)

## 2 Images

## Overview

|                      |                                     |
|----------------------|-------------------------------------|
| Quantity:            | 100 µL                              |
| Target:              | RBM7                                |
| Binding Specificity: | AA 1-266                            |
| Reactivity:          | Human                               |
| Host:                | Rabbit                              |
| Clonality:           | Polyclonal                          |
| Conjugate:           | This RBM7 antibody is un-conjugated |
| Application:         | Western Blotting (WB)               |

## Product Details

|                   |  |
|-------------------|--|
| Purpose:          | RBM7 Rabbit pAb  |
| Immunogen:        | Recombinant fusion protein containing a sequence corresponding to amino acids 1-266 of human RBM7 (NP_057174.1).   |
| Sequence:         | MGAAAAEADR TLFVGNLETK VTELLFELF HQAGPVIKVK IPKDKDGKPK QFAFVNFKHE<br>VSVPYAMNLL NGIKLYGRPI KIQFRSGSSH APQDVLSYP QHHVGNSSPT STSPSRYERT<br>MDNMTSSAQI IQRSFSSPEN FQRQAVMNSA LRQMSYGGKF GSSPLDQSGF SPSVQSHSHS<br>FNQSSSSQWR QGTPSSQRKV RMNSYPYLAD RHYSREQRYT DHGSDHHYRG KRDDFFYEDR<br>NHDDWSHDYD NRRDSSRDGK WRSSRH |
| Isotype:          | IgG  |
| Cross-Reactivity: | Human, Mouse   |
| Characteristics:  | Polyclonal Antibodies  |

## Product Details

Purification: Affinity purification

## Target Details

Target: RBM7

Alternative Name: RBM7 ([RBM7 Products](#))

Background: RNA-binding subunit of the trimeric nuclear exosome targeting (NEXT complex, a complex that functions as an RNA exosome cofactor that directs a subset of non-coding short-lived RNAs for exosomal degradation. NEXT is involved in surveillance and turnover of aberrant transcripts and non-coding RNAs. Binds preferentially polyuridine sequences and associates with newly synthesized RNAs, including pre-mRNAs and short-lived exosome substrates such as promoter upstream transcripts (PROMPTs, enhancer RNAs (eRNAs, and 3'-extended products from small nuclear RNAs (snRNAs. Participates in several biological processes including DNA damage response (DDR and stress response. During stress response, activation of the p38MAPK-MK2 pathway decreases RBM7-RNA-binding and subsequently the RNA exosome degradation activities, thereby modulating the turnover of non-coding transcriptome. Participates in DNA damage response (DDR, through its interaction with MEPCE and LARP7, the core subunits of 7SK snRNP complex, that release the positive transcription elongation factor b (P-TEFb complex from the 7SK snRNP. In turn, activation of P-TEFb complex induces the transcription of P-TEFb-dependent DDR genes to promote cell viability.,RBM7,Epigenetics & Nuclear Signaling,RNA Binding,Cell Biology & Developmental Biology,RBM7

Gene ID: 10179

UniProt: [Q9Y580](#)

## Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

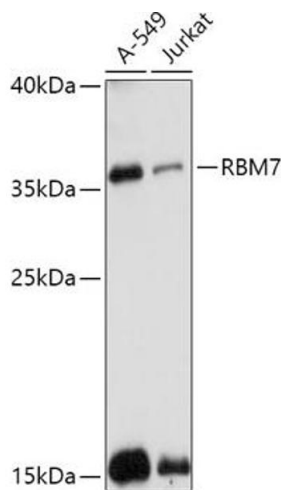
Handling

should be handled by trained staff only.

Storage: -20 °C

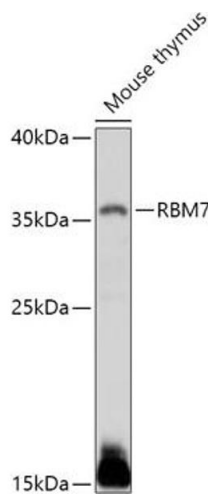
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using RBM7 antibody (ABIN7270088) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



Western Blotting

**Image 2.** Western blot analysis of extracts of Mouse thymus, using RBM7 antibody (ABIN7270088) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.