RBM7 Rabbit pAb

CatalogNo: YN7313

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human,Mouse	• WB

MW	Isotype
• 29kD (Calculated)	• IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from human RBM7
Specificity	This antibody detects endogenous levels of RBM7 at Human, Mouse

Target Information

Gene name	RBM7

Protein Name	RNA-binding protein 7 (RNA-binding motif protein 7)

Organism	Gene ID	UniProt ID
Human	10179;	Q9Y580;
Mouse	67010;	Q9CQT2;

Cellular Localization	Nucleus, nucleoplasm . Nucleus . Excluded from the nucleolus. .
Tissue specificity	Ubiquitous.
Function	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 .

Validation Data

Contact information

Orders:	order@immunoway.com
Support:	tech@immunoway.com
Telephone:	877-594-3616 (Toll Free), 408-747-0185
Website:	http://www.immunoway.com
Address:	2200 Ringwood Ave San Jose, CA 95131 USA

Please scan the QR code to access additional product information:
RBM7 Rabbit pAb