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RBM16 Rabbit pAb

Catalog # AP99975

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9UPN6
Other Accession	Q9UPN6
Reactivity	Rat
Predicted	Human, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	140519
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RBM16
Epitope Specificity	1151-1271/1271
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 CID domain. Contains 1 RRM (RNA recognition motif) domain.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	22828
Other Names	RBM16; A630086M08Rik; A930036P18Rik; mKIAA1116; SCAF8_HUMAN; SCAF8; CDC5L complex-associated protein 7; RNA-binding motif protein 16; CCAP7; KIAA1116; SCAF8_MOUSE; SR-related CTD associated factor 8; RNA binding motif protein 16
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	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

Name	SCAF8 {ECO:0000303|PubMed:9528809, ECO:0000312|HGNC:HGNC:20959}
Function	Anti-terminator protein required to prevent early mRNA termination during transcription (PubMed:31104839). Together with SCAF4, acts by suppressing the use of early, alternative poly(A) sites, thereby preventing the accumulation

	of non-functional truncated proteins (PubMed:31104839). Mechanistically, associates with the phosphorylated C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit (POLR2A), and subsequently binds nascent RNA upstream of early polyadenylation sites to prevent premature mRNA transcript cleavage and polyadenylation (PubMed:31104839). Independently of SCAF4, also acts as a positive regulator of transcript elongation (PubMed:31104839).
Cellular Location	Nucleus. Nucleus matrix. Note=Detected in granular nuclear foci which correspond to sites of active transcription

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