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RBM3 Rabbit mAb

Catalog # AP76691

Product Information

Application	WB, IHC-P, FC
Primary Accession	P98179
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	17170

Additional Information

Gene ID	5935
Other Names	RBM3
Dilution	WB~~1:1000 IHC-P~~N/A FC~~1:10~50
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	RBM3
Synonyms	RNPL
Function	Cold-inducible mRNA binding protein that enhances global protein synthesis at both physiological and mild hypothermic temperatures. Reduces the relative abundance of microRNAs, when overexpressed. Enhances phosphorylation of translation initiation factors and active polysome formation (By similarity).
Cellular Location	Nucleus. Cytoplasm. Cell projection, dendrite. Note=Localizes in mRNA granules in dentrites.

Background

RBM3, also named as RNPL, is a cold-inducible mRNA binding protein that enhances global protein synthesis

at both physiological and mild hypothermic temperatures. It reduces the relative abundance of microRNAs, when overexpressed. RBM3 enhances phosphoryaltion of translation initiation factors and active polysome formation. It is up-regulated in human tumors. RBM3 is a potential proto-oncogenic proteins upon overexpression. (PMID: 19900510).