

Recombinant Anti-RBM3 Rabbit mAb

Catalog # AP95387

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	P98179
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal
Calculated MW	17170

Additional Information

Gene ID	5935
Other Names	RNPL; Putative RNA-binding protein 3; RNA-binding motif protein 3; RNPL
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human RBM3 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

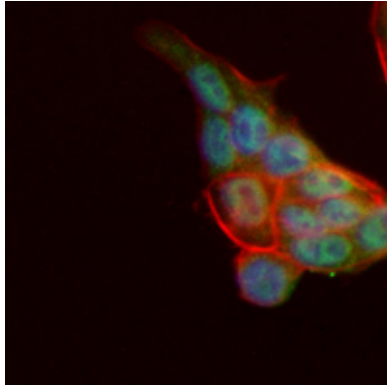
Name	RBM3
Synonyms	RNPL
Function	Cold-inducible mRNA binding protein that enhances global protein synthesis at both physiological and mild hypothermic temperatures. Reduces the relative abundance of microRNAs, when overexpressed. Enhances phosphorylation of translation initiation factors and active polysome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

Images

Western blot analysis of RBM3 expression in Jurkat (A)



whole cell lysates. (Predicted band size: 17 kD; Observed band size: 17 kD)



Immunofluorescent analysis of RBM3 staining in Jurkat cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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