

hnRNP G Rabbit mAb

Catalog # AP75559

Product Information

Application	WB, IHC-P, IHC-F, ICC
Primary Accession	P38159
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	42332

Additional Information

Gene ID	27316
Other Names	RBMX
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A ICC~~N/A
Format	Liquid

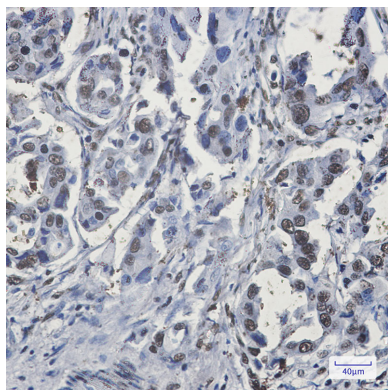
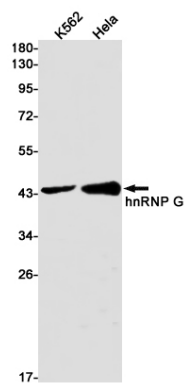
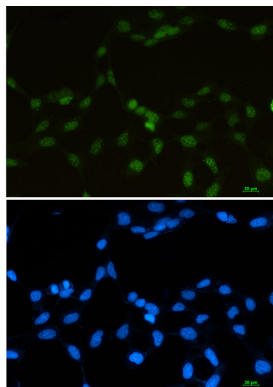
Protein Information

Name	RBMX
Synonyms	HNRPG, RBMXP1
Function	<p>RNA-binding protein that plays several role in the regulation of pre- and post-transcriptional processes. Implicated in tissue- specific regulation of gene transcription and alternative splicing of several pre-mRNAs. Binds to and stimulates transcription from the tumor suppressor TXNIP gene promoter; may thus be involved in tumor suppression. When associated with SAFB, binds to and stimulates transcription from the SREBF1 promoter. Associates with nascent mRNAs transcribed by RNA polymerase II. Component of the supraspliceosome complex that regulates pre-mRNA alternative splice site selection. Can either activate or suppress exon inclusion; acts additively with TRA2B to promote exon 7 inclusion of the survival motor neuron SMN2. Represses the splicing of MAPT/Tau exon 10. Binds preferentially to single-stranded 5'-CC[A/C]-rich RNA sequence motifs localized in a single-stranded conformation; probably binds RNA as a homodimer. Binds non-specifically to pre-mRNAs. Also plays a role in the cytoplasmic TNFR1 trafficking pathways; promotes both the IL-1-beta-mediated inducible proteolytic cleavage of TNFR1 ectodomains and the release of TNFR1 exosome-like vesicles to the extracellular compartment.</p>
Cellular Location	Nucleus Note=Component of ribonucleosomes. Localizes in numerous small granules in the nucleus

Tissue Location

Expressed strongly in oral keratinocytes, but only weakly detected in oral squamous cell carcinomas (at protein level)

Images



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