

Product Name: hnRNP G Rabbit Monoclonal Antibody
Catalog #: AMRe85665



Summary

Production Name	hnRNP G Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in TBS with 0.05% sodium azide, 0.05% protective protein and 50% glycerol.
Purification	Affinity Purification

Immunogen

Gene Name	hnRNP G
Alternative Names	RBMX; HNRPG; RBMXP1; RNA-binding motif protein; X chromosome; Glycoprotein p43; Heterogeneous nuclear ribonucleoprotein G; hnRNP G
Gene ID	27316.0
SwissProt ID	P38159.A synthetic peptide of human hnRNP G

Application

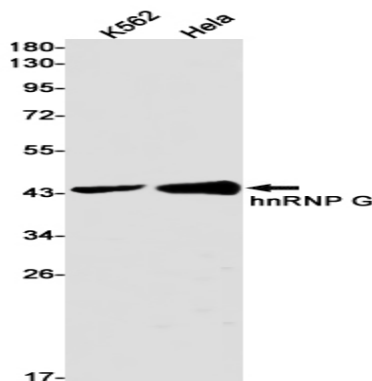
Dilution Ratio	WB:1:500-1:1000,IHC:1:50-1:100,ICC:1:50-1:200
Molecular Weight	Calculated MW: 42 kDa; Observed MW: 42 kDa

Background

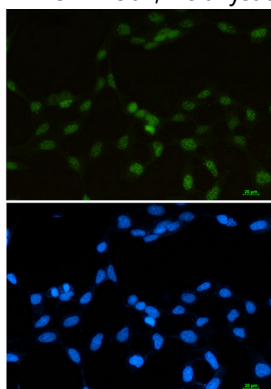
RNA-binding protein that plays several role in the regulation of pre- and post-transcriptional processes. Implicated in tissue-specific regulation of gene transcription and alternative splicing of several pre-mRNAs. Binds to and stimulates transcription from the tumor suppressor TXNIP gene promoter; 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. Plays also 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.

Research Area

Image Data

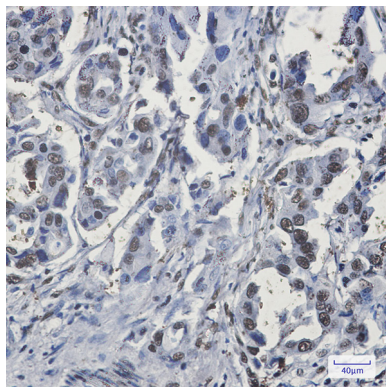


Western blot analysis of hnRNP G in K562, HeLa lysates using hnRNP G antibody.



Immunocytochemistry analysis of hnRNP G (green) in 293T using hnRNP G antibody, and DAPI (blue).

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Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using hnRNP G antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Note

For research use only.