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hnRNP G Polyclonal Antibody
Catalog # AP70383

Specification

hnRNP G Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IF**
Primary Accession	P38159
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**

hnRNP G Polyclonal Antibody - Additional Information

Gene ID 27316

Other Names
RBMX; HNRPG; RBMXP1; RNA-binding motif protein; X chromosome; Glycoprotein p43; Heterogeneous nuclear ribonucleoprotein G; hnRNP G

Dilution
WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
IHC-P~~N/A
IF~~1:50~200

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

hnRNP G Polyclonal Antibody - Protein Information

Name RBMX

Synonyms HNRPG, RBMXP1

Function
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.

Cellular Location
Nucleus Note=Component of ribonucleosomes. Localizes in numerous small granules in the nucleus

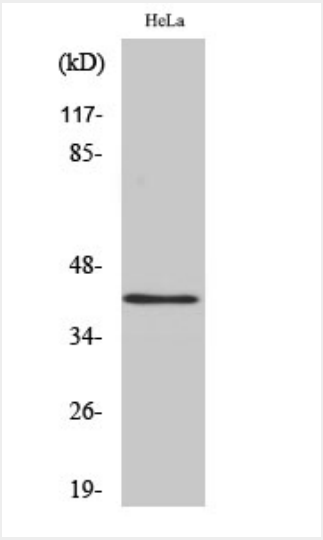
Tissue Location
Expressed strongly in oral keratinocytes, but only weakly detected in oral squamous cell carcinomas (at protein level)

hnRNP G Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

hnRNP G Polyclonal Antibody - Images



Western Blot analysis of various cells using hnRNP G Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).

hnRNP G Polyclonal Antibody - Background

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