

Rabbit hnRNP G Polyclonal Antibody | anti-HNRNPG antibody

hnRNP G Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323876	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

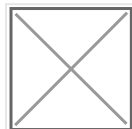
PRODUCT SYNONYMS

hnRNP G; Polyclonal Antibody; hnRNP G Antibody; Glycoprotein p43; Heterogeneous nuclear ribonucleoprotein G; HNRPG; RBMX; RBMXP1; RBMXRT; RNA binding motif protein; X chromosome; X linked; RNMX; anti-HNRNPG antibody

PRODUCT SPECIFICATIONS

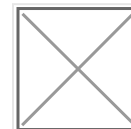
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	hnRNP G antibody detects endogenous levels of total hnRNP G
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	196
Applicable Applications for anti-HNRNPG antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nuclear
Tissue Specificity	Expressed strongly in oral keratinocytes, but only weakly detected in oral squamous cell carcinomas (at protein level).
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA323876 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using hnRNP G antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HNRNPG antibody	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. 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. Subunit Structure: Homomultimer. Interacts with SAFB/SAFB1 (By similarity). Found in the supraspliceosome complex. Identified in the spliceosome C complex. Interacts with KHDRBS3. Forms a complex with ILF2, ILF3, YLPM1, KHDRBS1, NCOA5 and PPP1CA. Interacts with CLK2, KHDRBS2, SAFB, TRA2B and YTHDC1. Interacts with ERAP1; the interaction is RNA-independent. Post-translational Modifications: O-glycosylated.Arg-185 is dimethylated, probably to asymmetric dimethylarginine. Cleavage of initiator Met is partial. If Met-1 is not removed, it is Acetylated. If it is removed, Val-2 is Acetylated. Similarity: The RRM domain is necessary for RNA-binding, but not for splice site selection, indicating that its splicing activity does not require direct binding to RNA.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	258645150
NCBI GeneID	27316
NCBI Accession #	NP_001158275.1
NCBI GenBank Nucleotide #	NM_001164803.1
UniProt Accession #	P38159; Q5JQ67; Q8N8Y7; Q969R3; B4E3U4; D3DWH0; E9PG86
Molecular Weight	Observed: 40 kD Predicted: 43 kDa
NCBI Official Full Name	RNA-binding motif protein, X chromosome isoform 2
NCBI Official Synonym Full Names	RNA binding motif protein X-linked
NCBI Official Symbol	RBMX
NCBI Official Synonym Symbols	RNMX; HNRPG; HNRNPG; MRXS11; RBMXP1; RBMXRT; hnRNP-G
NCBI Protein Information	RNA-binding motif protein, X chromosome
UniProt Protein Name	RNA-binding motif protein, X chromosome
UniProt Gene Name	RBMX
UniProt Synonym Gene Names	HNRPG; RBMXP1; hnRNP G

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/hnmp-g-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/323876>