



hnRNP G Rabbit mAb

Catalog No	YP-rAb-17320
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Gene Name	RBMX
Protein Name	RNA-binding motif protein X chromosome
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	hnRNP G;RNA-binding motif protein X chromosome;RBMX ; HNRPG ; RBMXP1 ; RNA-binding motif protein ; X chromosome ; Glycoprotein p43 ; Heterogeneous nuclear ribonucleoprotein G ; hnRNP G;RBMX
Observed Band	44kD
Calculated Molecular Weight	42kD
Cell Pathway	Nucleus . Component of ribonucleosomes. Localizes in numerous small granules in the nucleus.
Tissue Specificity	Expressed strongly in oral keratinocytes, but only weakly detected in oral squamous cell carcinomas (at protein level).
Function	RNA-binding protein which may be involved in pre-mRNA splicing.,PTM:Arg-185 is dimethylated, probably to asymmetric dimethylarginine.,PTM:Cleavage of initiator Met is partial. If Met-1 is not removed, it is acetylated. If it is removed, Val-2 is acetylated.,PTM:O-glycosylated.,similarity:Contains 1 RRM (RNA recognition motif) domain.,subcellular location:Component of ribonucleosomes.,subunit:Identified in the spliceosome C complex, at least composed of AQR, ASCC3L1, C19orf29, CDC40, CDC5L, CRNKL1, DDX23, DDX41, DDX48, DDX5, DGCR14, DHX35, DHX38, DHX8, EFTUD2, FRG1, GPATC1, HNRPA1, HNRPA2B1, HNRPA3, HNRPC, HNRPF, HNRPH1, HNRPK, HNRPM, HNRPR, HNRPU, KIAA1160, KIAA1604, LSM2, LSM3, MAGOH, MORG1, PABPC1, PLRG1, PNN, PPIE, PPIL1, PPIL3, PPWD1, PRPF19, PRPF4B, PRPF6, PRPF8, RALY, RBM22, RBM8A, RBMX, SART1, SF3A1,



SF3A2, SF3A3, SF3B1, SF3B2, SF3B3, SFRS1, SKIV2L2, SNRPA1, SNRPB, SNRPB2, SNRPD1, SNRPD2, SNRPD3, SNRPE, SNRPF, SNRPG, SNW1, SRRM1, SRRM2, SYF2, SYNCRIP, TFIP11, THOC4, U2AF1, WDR57, XAB2 and ZCCHC8. Interacts with KHDRBS3.,

Background

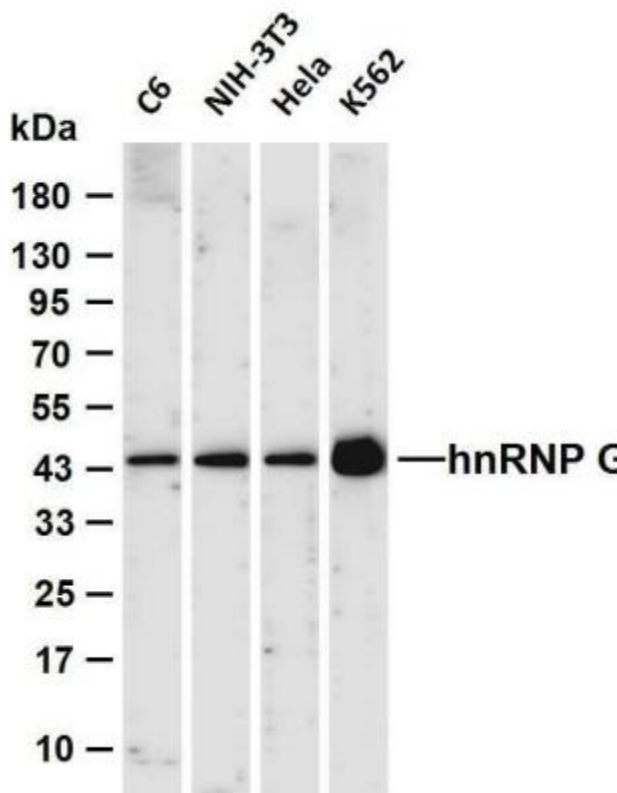
This gene belongs to the RBMY gene family which includes candidate Y chromosome spermatogenesis genes. This gene, an active X chromosome homolog of the Y chromosome RBMY gene, is widely expressed whereas the RBMY gene evolved a male-specific function in spermatogenesis. Pseudogenes of this gene, found on chromosomes 1, 4, 9, 11, and 6, were likely derived by retrotransposition from the original gene. Alternatively spliced transcript variants encoding different isoforms have been identified. A snoRNA gene (SNORD61) is found in one of its introns. [provided by RefSeq, Sep 2009],

matters needing attention

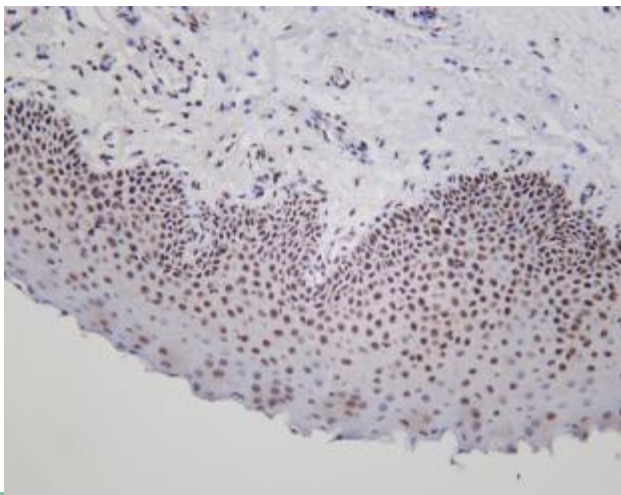
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-hnRNP G antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: C6 Lane 2: NIH-3T3 Lane 3: HeLa Lane 4: K562 Predicted band size: 42kDa Observed band size: 44kDa



Human tonsil was stained with anti-hnRNP G Rabbit antibody

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