

Product Name: KD-Validated RBMX Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01146**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 42.3kDa

Antigen Information

Gene Name	RBMX
Alternative Names	RBMX; RNA Binding Motif Protein X-Linked; Heterogeneous Nuclear Ribonucleoprotein G; HnRNP-G; HNRNPG; RNMX; RNA-Binding Motif Protein, X Chromosome; Glycoprotein P43;
	HnRNP G; RBMXP1; HNRPG; RNA Binding Motif Protein, X Chromosome; MRXS11; RBMXRT; MRXSG; MRXSH
Gene ID	27316.0
SwissProt ID	P38159
Immunogen	A synthesized peptide derived from human hnRNP G

Background

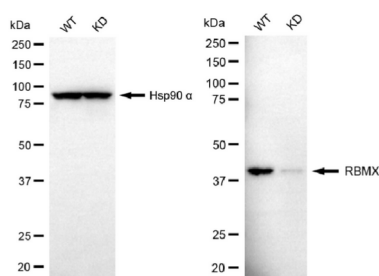
This gene belongs to the RBMY gene family which includes candidate Y chromosome spermatogenesis genes. This gene, an

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]

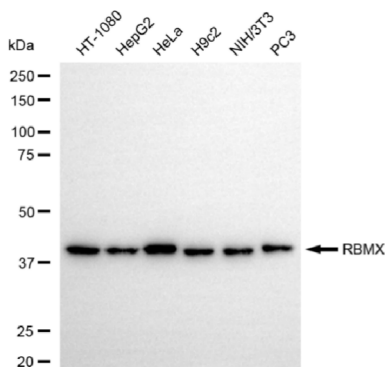
Research Area

Cancer

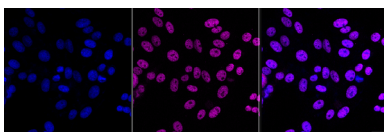
Image Data



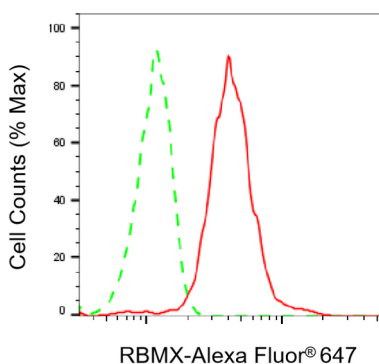
Western blotting analysis using RBMX antibody (KVA01146). RBMX expression in wild-type (WT) and RBMX knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with RBMX antibody (KVA01146, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using RBMX antibody (KVA01146). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with RBMX antibody (KVA01146, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with RBMX antibody (KVA01146, 1:1,000). Nuclei were stained blue with DAPI; RBMX was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of RBMX expression in HepG2 cells using RBMX antibody (KVA01146, 1:2,000). Green, isotype control; red, RBMX.