

Datasheet for ABIN2779064 anti-RBMXL2 antibody (Middle Region)

Image



Overview

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Quantity:	100 µL
Target:	RBMXL2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Cow, Dog, Guinea Pig, Horse, Rabbit, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RBMXL2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human RBMXL2
Sequence:	SSRDGYSSRD YREPRGFAPS PGEYTHRDYG HSSVRDDCPL RGYSDRDGYG
Predicted Reactivity:	Cow: 85%, Dog: 77%, Guinea Pig: 77%, Horse: 77%, Human: 100%, Mouse: 77%, Rabbit: 85%, Rat: 85%
Characteristics:	This is a rabbit polyclonal antibody against RBMXL2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	

Target:

RBMXL2

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Target Details	
Alternative Name:	RBMXL2 (RBMXL2 Products)
Background:	The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA
	(hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence
	pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the
	hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the
	cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. RBMXL2 has two
	RRM domains that bind RNAs. RBMXL2 has similarity to HNRPG and RBMY proteins and it is
	suggested to replace HNRPG protein function during meiotic prophase or act as a germ cell-
	specific splicing regulator. It primarily localizes to the nuclei of meiotic spermatocytes. This
	gene is a candidate for autosomal male infertility. This gene belongs to the HNRPG subfamily of
	ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are
	RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These
	proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA
	processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are
	present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The
	hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene
	has two RRM domains that bind RNAs. This gene is intronless and is thought to be derived
	from a processed retroposon. However, unlike many retroposon-derived genes, this gene is not
	a pseudogene. The encoded protein has similarity to HNRPG and RBMY proteins and it is
	suggested to replace HNRPG protein function during meiotic prophase or act as a germ cell-
	specific splicing regulator. It primarily localizes to the nuclei of meiotic spermatocytes. This
	gene is a candidate for autosomal male infertility. Sequence Note: The RefSeq transcript and
	protein were derived from genomic sequence to make the sequence consistent with the
	reference genome assembly. The genomic coordinates used for the transcript record were
	based on alignments. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP
	1-2215 AC100875.3 67063-69277 c
	Alias Symbols: HNRNPG-T, HNRPGT, HNRNPGT
	Protein Interaction Partner: UBC, RABGGTA, FDXACB1, CAND1, COPS5, CUL1, CUL3, CUL4B,
	SUMO1, DYRK2, TRA2B,
	Protein Size: 392
Molecular Weight:	43 kDa
Gene ID:	27288
NCBI Accession:	NM_014469, NP_055284
UniProt:	075526

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Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 392 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 $\%$ (w/v) sodium azide and 2 $\%$ sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-RBMXL2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: 293T cell lysate RBMXL2 is supported by BioGPS gene expression data to be expressed in HEK293T

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