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RBMXL2 Rabbit mAb

Catalog No.: A21075 Recombinant

Basic Information

Observed MW
Refer to figures

Calculated MW
43kDa

Category
Primary antibody

Applications
IF-P,ELISA

Cross-Reactivity
Human

CloneNo number
ARC2922

Background

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.

Recommended Dilutions

IF-P	1:50 - 1:200
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
27288

Swiss Prot
O75526

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
HNRPGT; HNRNPGT; HNRNPG-T; RBMXL2

Contact

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Product Information

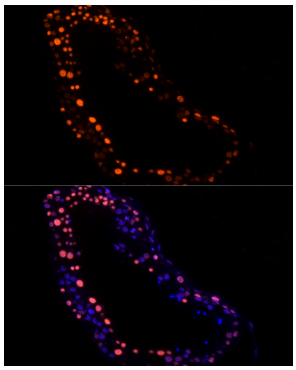
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃

Validation Data



Immunofluorescence analysis of paraffin-embedded human testis using RBMXL2 Rabbit mAb (A21075) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.

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