bsm-62673R **[Primary Antibody]**

RBMXL2 Recombinant Rabbit mAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Recombinant

GeneID: 27288 **SWISS:** O75526

Target: RBMXL2

Immunogen: A synthesized peptide derived from human hnRNP G-T: 175-350.

Purification: affinity purified by Protein A

Storage: 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.

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.

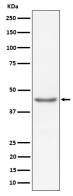
Applications: **WB** (1:500-2000)
ICC/IF (1:50-200)
IP (1:20-50)

Reactivity: Human, Mouse, Rat

Predicted MW.: 43

Subcellular Location: Nucleus

VALIDATION IMAGES



Western blot analysis of HeLa cell lysate. Using RBMXL2 (bsm-62673R) monoclonal antibody at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.