



# Anti-RBMXL2 (aa 1-90) polyclonal antibody (DPAB-DC1366)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Antigen Description

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.

### Immunogen

HNRNPG-T (NP\_055284, 1 a.a. ~ 90 a.a) partial recombinant protein with GST tag. The sequence is  
MVEADRP GKLF IGGLNLETDEKALEAEFGKYGRIVEVLLMKDRETNKSRGFAFVTFESPA  
DAKAAARDMNGKSLDGKAIKVAQATKP AFE

### Source/Host

Mouse

### Species Reactivity

Human

### Conjugate

Unconjugated

### Applications

WB (Recombinant protein), ELISA,

### Size

50 µl

### Buffer

50 % glycerol

<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">RBMXL2 RNA binding motif protein, X-linked-like 2 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	RBMXL2
<b>Synonyms</b>	RBMXL2; RNA binding motif protein, X-linked-like 2; HNRPGT; HNRNPGT; HNRNPG-T; RNA-binding motif protein, X-linked-like-2; hnRNP G-T; heterogeneous nuclear ribonucleoprotein G T; testes specific heterogenous nuclear ribonucleoprotein G T; testes-specific heterogenous nuclear ribonucleoprotein G-T; testis-specific heterogeneous nuclear ribonucleoprotein G-T;
<b>Entrez Gene ID</b>	<a href="#">27288</a>
<b>Protein Refseq</b>	<a href="#">NP_055284</a>
<b>UniProt ID</b>	<a href="#">O75526</a>
<b>Chromosome Location</b>	11p15
<b>Pathway</b>	Spliceosome;
<b>Function</b>	RNA binding; nucleotide binding;