

For Research Use Only

# RBMXL2 Polyclonal antibody

Catalog Number: 27987-1-AP



## Basic Information

### Catalog Number:

27987-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG27624

### GenBank Accession Number:

BC057796

### GeneID (NCBI):

27288

### UNIPROT ID:

O75526

### Full Name:

RNA binding motif protein, X-linked-like 2

### Calculated MW:

43 kDa

### Observed MW:

43 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:16000

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

human, mouse, rat

### Positive Controls:

WB : mouse testis tissue, rat testis tissue

## Background Information

RBMXL2 (RNA-binding motif protein, X-linked-like-2), also known as heterogeneous nuclear ribonucleoproteins G-testis or hnRNP-GT, is a testis-specific nuclear RNA binding protein that plays a crucial role in male meiosis (PMID: 34927545). The protein is part of an anciently diverged family of RNA-binding proteins and shares significant homology with RBMX, another RNA-binding protein that is important for controlling splicing, transcription, and genome stability (PMID: 39356106). The expression of RBMXL2 is restricted to the testis, and it is highly expressed during the pachytene and diplotene stages of meiosis, which are characterized by high levels of transcription and alternative splicing (PMID: 34927545).

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

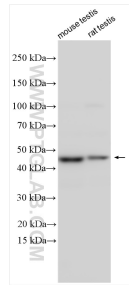
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27987-1-AP (RBMXL2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.