

For Research Use Only

# RBMXL2 Polyclonal antibody

Catalog Number: 27987-1-AP



## Basic Information

Catalog Number:

27987-1-AP

Size:

500 ug/ml

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

For technical support and original validation data for this product please contact:

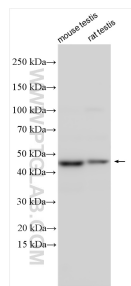
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## Selected Validation Data



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.