

# RBM42 Polyclonal antibody, PBS Only

Catalog Number: 15407-1-PBS

## Basic Information

**Catalog Number:**

15407-1-PBS

**Concentration:**

1 mg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG7667

**GenBank Accession Number:**

BC004204

**GeneID (NCBI):**

79171

**UNIPROT ID:**

Q9BTD8

**Full Name:**

RNA binding motif protein 42

**Calculated MW:**

50 kDa

**Observed MW:**

65-70 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## Background Information

RBM42, also known as RNA-binding motif protein 42, is a member of the RNA-binding protein family that plays critical roles in post-transcriptional regulation of gene expression. Emerging studies highlight RBM42's involvement in pre-mRNA splicing through its association with the spliceosome complex, where it contributes to the precise removal of introns and assembly of mature mRNA. Beyond splicing, RBM42 has been implicated in cellular stress responses, cell cycle regulation, and apoptosis. Dysregulation of RBM42 is linked to developmental disorders and cancers; for instance, mutations in RBM42 are associated with neurodevelopmental abnormalities, while its overexpression or loss correlates with tumor progression in certain malignancies.

## Storage

**Storage:**

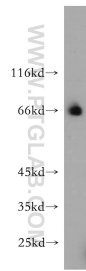
Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**

PBS Only

## Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 15407-1-AP (RBM42 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 15407-1-PBS in a different storage buffer formulation.