

For Research Use Only

# RBM10 Recombinant antibody

Catalog Number: 84104-2-RR

Featured Product



## Basic Information

Catalog Number:

84104-2-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5788

GenBank Accession Number:

BC024153

GeneID (NCBI):

8241

UNIPROT ID:

P98175

Full Name:

RNA binding motif protein 10

Calculated MW:

104 kDa

Observed MW:

100-120 kDa

Purification Method:

Protein A purification

CloneNo.:

241151D7

Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:200-1:800

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), ELISA

Species Specificity:

human, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : HeLa cells, A549 cells, MCF-7 cells, MDA-MB-231 cells

IHC : mouse brain tissue,

IF/ICC : A431 cells,

## Background Information

RBM10, also named as RNA-binding protein 10, is a 930 amino acid protein, which is in the extranuclear nucleoplasm constitutes hundreds of nuclear domains, which dynamically change their structures in a reversible manner. RBM10 may be involved in post-transcriptional processing, most probably in mRNA splicing. RBM10 has some isoforms with MV 100-130 kDa (PMID: 25889998 and PMID: 18315527).

## Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

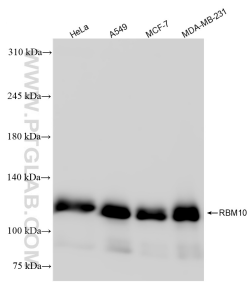
T: 4006900926

E: Proteintech-CN@ptglab.com

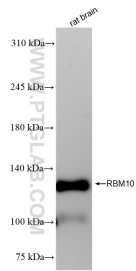
W: ptgcn.com

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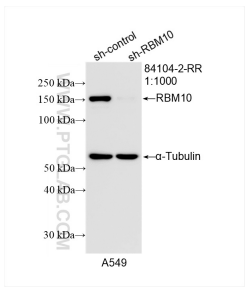
Selected Validation Data



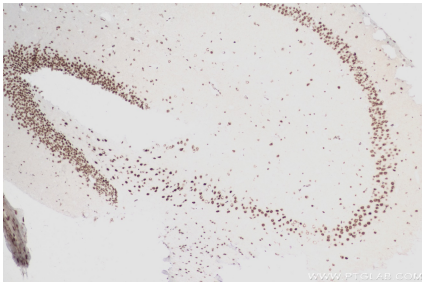
Various lysates were subjected to SDS PAGE followed by western blot with 84104-2-RR (RBM10 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



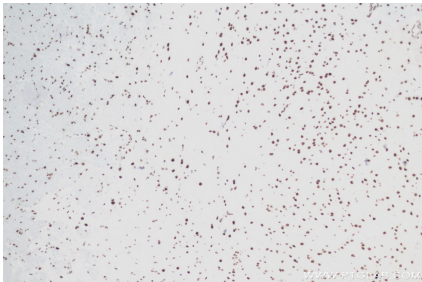
rat brain tissue were subjected to SDS PAGE followed by western blot with 84104-2-RR (RBM10 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



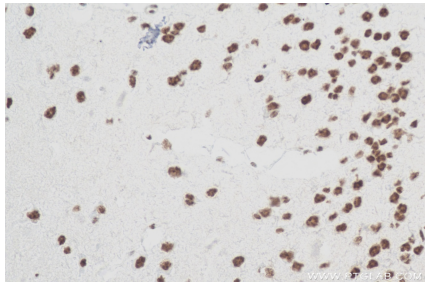
WB result of RBM10 antibody (84104-2-RR; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RBM10 transfected A549 cells.



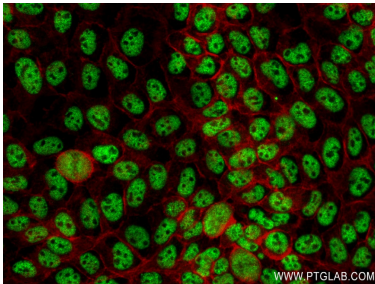
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 84104-2-RR (RBM10 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



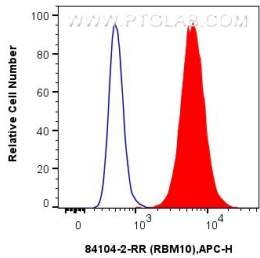
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 84104-2-RR (RBM10 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



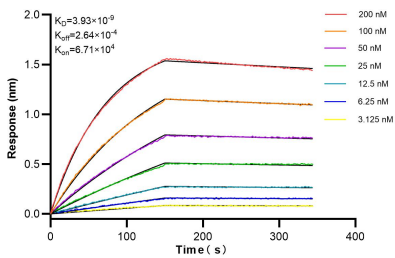
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 84104-2-RR (RBM10 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using RBM10 antibody (84104-2-RR, Clone: 241151D7) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2, CL594-Phalloidin (red).



$1 \times 10^6$  A431 cells were intracellularly stained with 0.25  $\mu$ g RBM10 Recombinant antibody (84104-2-RR, Clone:241151D7) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25  $\mu$ g Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Bilayer interferometry (BLI) kinetic assays of 84104-2-RR against Human RBM10 were performed. The affinity constant is 3.93 nM.