

For Research Use Only

RBM10 Recombinant antibody

Catalog Number: 84104-2-RR



Basic Information

Catalog Number: 84104-2-RR	GenBank Accession Number: BC024153	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 8241	CloneNo.: 241151D7
Source: Rabbit	UNIPROT ID: P98175	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:200-1:800 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: RNA binding motif protein 10	
Immunogen Catalog Number: AG5788	Calculated MW: 104 kDa	
	Observed MW: 100-120 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA	Positive Controls: WB : HeLa cells, A549 cells, MCF-7 cells, MDA-MB-231 cells IHC : mouse brain tissue, IF/ICC : A431 cells,
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	

Background Information

RBM10, also named as RNA-binding protein 10, is a 930 amino acid protein, which is in the extranucleolar 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

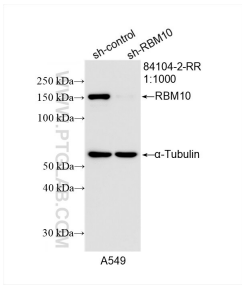
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

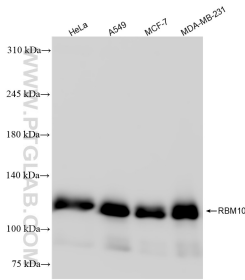
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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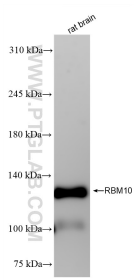
Selected Validation Data



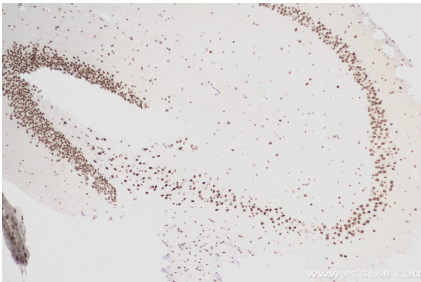
WB result of RBM10 antibody (84104-2-RR; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RBM10 transfected A549 cells.



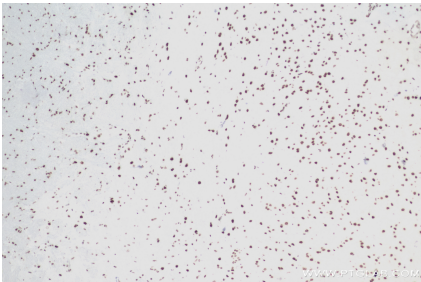
Various lysates were subjected to SDS PAGE followed by western blot with 84104-2-RR (RBM10 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



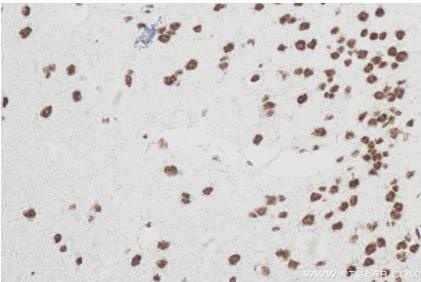
rat brain tissue were subjected to SDS PAGE followed by western blot with 84104-2-RR (RBM10 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



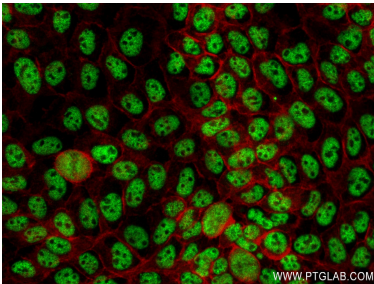
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 84104-2-RR (RBM10 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



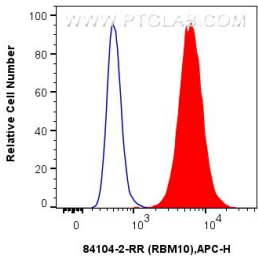
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 84104-2-RR (RBM10 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



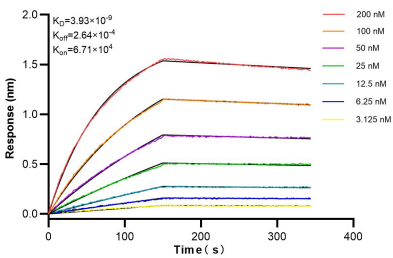
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 84104-2-RR (RBM10 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



1x10⁶ A431 cells were intracellularly stained with 0.25 ug RBM10 Recombinant antibody (84104-2-RR, Clone:241151D7) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



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