

For Research Use Only

RBM5 Polyclonal antibody

Catalog Number: 19930-1-AP **4 Publications**



Basic Information

Catalog Number: 19930-1-AP	GenBank Accession Number: BC002957	Purification Method: Antigen affinity purification
Size: 200 ug/ml	GeneID (NCBI): 10181	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:250-1:1000
Source: Rabbit	UNIPROT ID: P52756	
Isotype: IgG	Full Name: RNA binding motif protein 5	
Immunogen Catalog Number: AG13908	Calculated MW: 815 aa, 92 kDa	
	Observed MW: 110-115 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : PC-3 cells, IHC : human stomach tissue, human lung tissue, rat testis tissue
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	
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

RBM5, also named as RNA-binding protein 5, is a 815 amino acid protein, which contains 2 RRM (RNA recognition motif) domains and belongs to the RBM5/RBM10 family. RBM5 localizes in the nucleus and is a component of the spliceosome A complex. RBM5 regulates alternative splicing of a number of mRNAs and may modulate splice site pairing after recruitment of the U1 and U2 snRNPs to the 5' and 3' splice sites of the intron. RBM5 may both positively and negatively regulate apoptosis by regulating the alternative splicing of several genes involved in this process, including FAS and CASP2/caspase-2. The phosphorylation of RBM5 protein would influence the detected molecular weight. A 105-110 kDa band was also reported (PMID: 27957556).

Notable Publications

Author	Pubmed ID	Journal	Application
Jeffrey Farooq	35152732	J Neurotrauma	WB
Travis C Jackson	32335213	Neuroscience	WB
Bo Jin	38272235	J Biol Chem	WB

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:

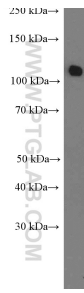
T: 4006900926

E: Proteintech-CN@ptglab.com

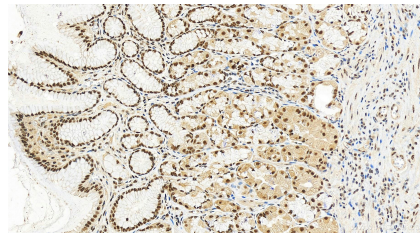
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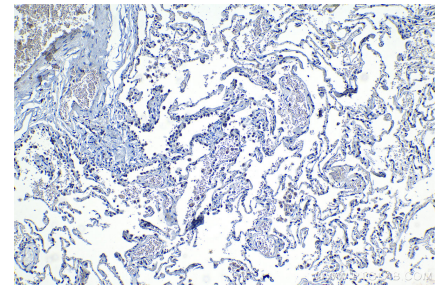
Selected Validation Data



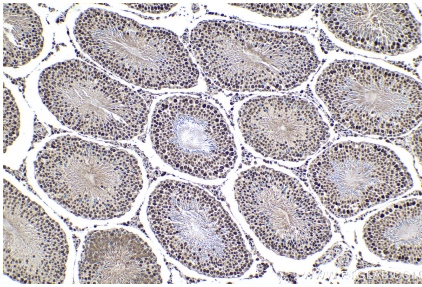
PC-3 cells were subjected to SDS PAGE followed by western blot with 19930-1-AP (RBM5 Antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 19930-1-AP (RBM5 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 19930-1-AP (RBM5 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 19930-1-AP (RBM5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).