

# FOX2/RBM9 Monoclonal antibody

Catalog Number: 66976-1-Ig

Featured Product

## Basic Information

Catalog Number:

66976-1-Ig

Size:

1200 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28336

GenBank Accession Number:

BC013115

GeneID (NCBI):

23543

UNIPROT ID:

O43251

Full Name:

RNA binding motif protein 9

Calculated MW:

390 aa, 41 kDa

Observed MW:

48 kDa, 50 and 60 kDa

Purification Method:

Protein G purification

CloneNo.:

2D7G5

Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:300-1:1200

## Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

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**

Positive Controls:

**WB** : HeLa cells, HT-29 cells, NCCIT cells, human placenta tissue, fetal human brain tissue, HEK-293 cells, HepG2 cells, LO2 cells

**IHC** : mouse brain tissue, human ovary tumor tissue, human lung cancer tissue, human pancreas cancer tissue

## Background Information

RBM9, also named as RBFOX2 and FOX2, is a RNA-binding protein that regulates alternative splicing events by binding to 5'-UGCAUGU-3' elements. There are several isoforms of RBM9 produced by variable use of multiple alternatively spliced internal exons and alternative splice sites. RBM9 may play an important role in tissue specific alternative splicing regulation.(PMID: 19688295, 21623373, 16537540)

## 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:

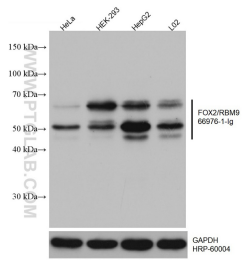
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

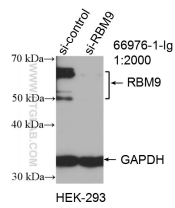
W: [ptgcn.com](http://ptgcn.com)

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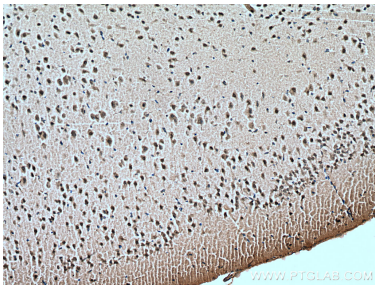
Selected Validation Data



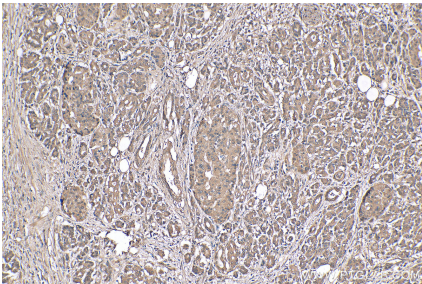
Various lysates were subjected to SDS PAGE followed by western blot with 66976-1-Ig (RBM9 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



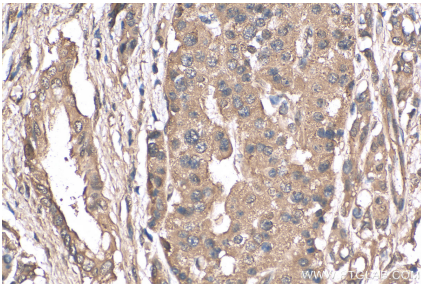
WB result of RBM9 antibody (66976-1-Ig: 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RBM9 transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66976-1-Ig (RBM9 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 66976-1-Ig (FOX2/RBM9 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 human pancreas cancer tissue slide using 66976-1-Ig (FOX2/RBM9 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).