

For Research Use Only

FOX2/RBM9 Monoclonal antibody

Catalog Number: 66976-1-Ig **Featured Product**



Basic Information

Catalog Number: 66976-1-Ig	GenBank Accession Number: BC013115	Purification Method: Protein G purification
Size: 1200 µg/ml	GeneID (NCBI): 23543	CloneNo.: 2D7G5
Source: Mouse	UNIPROT ID: O43251	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:300-1:1200
Isotype: IgG1	Full Name: RNA binding motif protein 9	
Immunogen Catalog Number: AG28336	Calculated MW: 390 aa, 41 kDa	
	Observed MW: 48 kDa, 50 and 60 kDa	

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, L02 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:

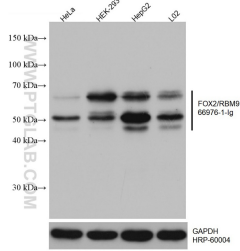
T: 4006900926

E: Proteintech-CN@ptglab.com

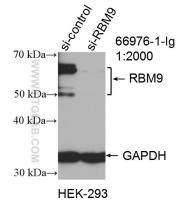
W: ptgcn.com

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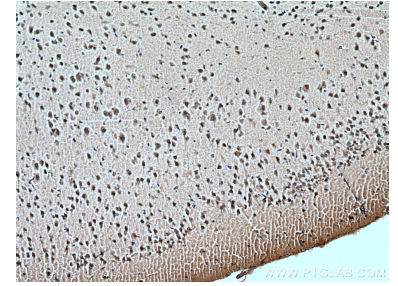
Selected Validation Data



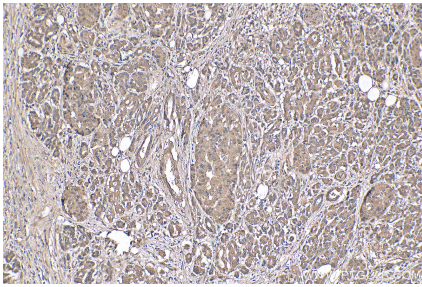
Various lysates were subjected to SDS PAGE followed by western blot with 66976-1-Ig (RBM9 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



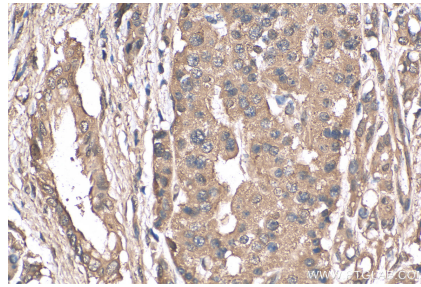
WB result of RBM9 antibody (66976-1-Ig: 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RBM9 transfected HEK-293 cells.



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).