

For Research Use Only

FOX2/RBM9 Polyclonal antibody

Catalog Number: 12498-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

12498-1-AP

Concentration:

450 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3168

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:

50- 60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:3000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:50-1:500

IF-P: 1:50-1:500

IF/ICC: 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, IP, ELISA

Cited Applications:

WB, IHC, IF, ColP

Species Specificity:

human, mouse

Cited Species:

human

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 : HEK-293T cells, HepG2 cells, HEK-293 cells, Jurkat cells, NCCIT cells, HeLa cells, Neuro-2a cells

IP : HepG2 cells, K-562 cells

IHC : human breast cancer tissue, human placenta tissue, mouse brain tissue, human ovary tumor tissue, human lung cancer tissue

IF-P : mouse brain tissue,

IF/ICC : HepG2 cells,

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)

Notable Publications

Author	Pubmed ID	Journal	Application
Fengxian Huang	38881877	Front Pharmacol	IHC
Yingchao Wang	38089592	iScience	WB
Xiaoyang Dou	37640841	Nat Cell Biol	WB,IF,ColP

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:

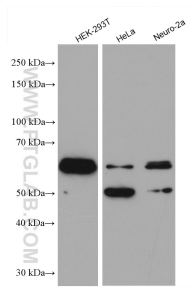
T: 4006900926

E: Proteintech-CN@ptglab.com

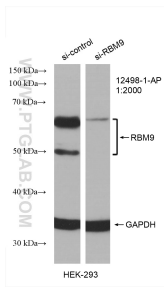
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

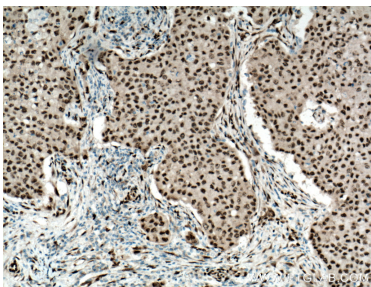
Selected Validation Data



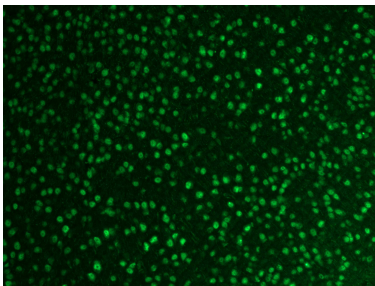
Various lysates were subjected to SDS PAGE followed by western blot with 12498-1-AP (FOX2/RBM9 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



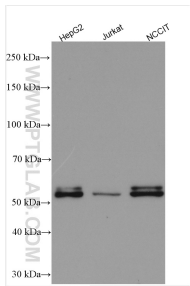
WB result of FOX2/RBM9 antibody (12498-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FOX2/RBM9 transfected HEK-293 cells.



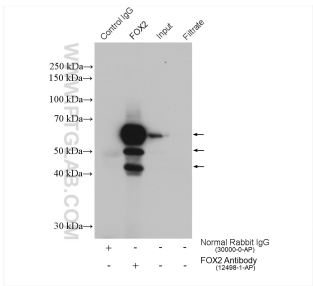
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 12498-1-AP (FOX2/RBM9 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



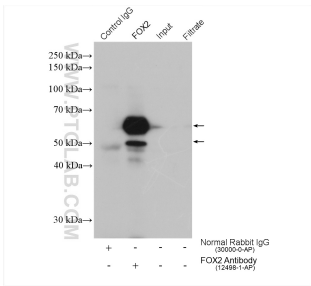
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 12498-1-AP (FOX2/RBM9 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



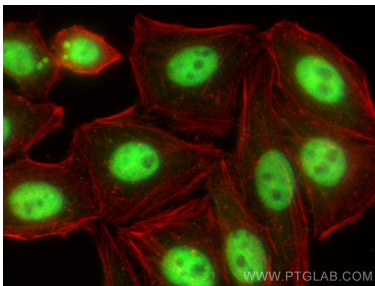
Various lysates were subjected to SDS PAGE followed by western blot with 12498-1-AP (FOX2/RBM9 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



IP result of anti-FOX2/RBM9 (IP:12498-1-AP, 4ug; Detection:12498-1-AP 1:1000) with HepG2 cells lysate 2680 ug.



IP result of anti-FOX2/RBM9 (IP:12498-1-AP, 4ug; Detection:12498-1-AP 1:1000) with K-562 cells lysate 1760 ug.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using FOX2/RBM9 antibody (12498-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).