For Research Use Only

RBM4 Polyclonal antibody

Catalog Number:11614-1-AP Featured Product 17 Publications

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Basic Information

Catalog Number:
11614-1-AP

Size:
150ul , Concentration: 633 μg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2190

GenBank Accession Number:
BC021120

GeneID (NCBI):
5936

Full Name:
RNA binding motif protein 4

Calculated MW:
40 kDa

Observed MW:
40 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500

Applications

Tested Applications:
IHC, IP, WB, ELISA

Cited Applications:
FC, IF, IHC, IP, PLA, RIP, 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

Positive Controls:

WB : mouse brain tissue, human brain tissue, human heart tissue, human kidney tissue, HeLa cells

IP : mouse heart tissue,

IHC : human gliomas tissue, human lung cancer tissue, human stomach cancer tissue

Background Information

RBM4, RNA-binding motif protein4, contains 2 RRM-type RNA-binding motif and a retroviral-type(RT) zinc finger. RNA-binding factor participates in number of aspects of cellular processes such as alternative splicing of pre-mRNA and translation regulation. RBM4 recruits eIF4A1 to stimulate IRES-dependent translation in responds to cellular stress. Once assembled at the rHRE, the HIF2A-RBM4-eIF4E2 complex captures the 5-prime cap and targets mRNAs to polysomes for active translation, thereby evading hypoxia-induced repression of protein synthesis. This is a rabbit polyclonal antibody raised against the full-length of human RBM4

Notable Publications

Author	Pubmed ID	Journal	Application
Yang Wang	25203323	Cancer Cell	WB, IHC
Evelyne Manet	34530456	Nucleic Acids Res	WB
Hongmei Yong	31145716	Med Sci Monit	FC

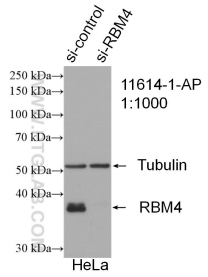
Storage

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

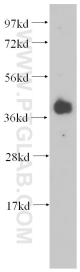
*** 20ul sizes contain 0.1% BSA

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

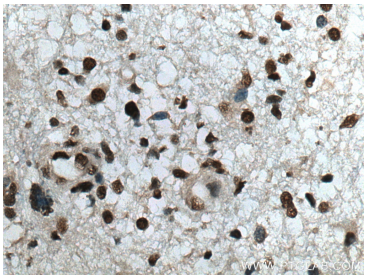
Selected Validation Data



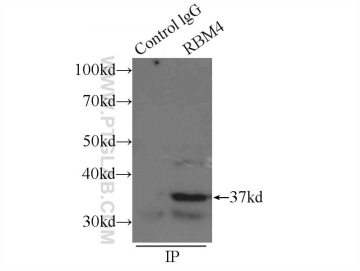
WB result of RBM4 antibody (11614-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RBM4 transfected HeLa cells.



mouse brain tissue were subjected to SDS PAGE followed by western blot with 11614-1-AP (RBM4 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 11614-1-AP (RBM4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-RBM4 (IP:11614-1-AP, 3ug; Detection:11614-1-AP 1:1000) with mouse heart tissue lysate 4000ug.