For Research Use Only

RBM15 Polyclonal antibody

Catalog Number:10587-1-AP Featured Product 54 Publications

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Basic Information

Catalog Number:
10587-1-AP

Size:
150ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0938

GenBank Accession Number:
BC006397

GeneID (NCBI):
64783

UNIPROT ID:
Q96T37

Full Name:
RNA binding motif protein 15

Calculated MW:
105 kDa

Observed MW:
100-107 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:2000-1:16000
IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC: 1:50-1:500
IF/ICC: 1:1000-1:4000

Applications

Tested Applications:
WB, IHC, IF/ICC, IP, ELISA

Cited Applications:
WB, IHC, IF, IP, CoIP, RIP

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat

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 : SW480 cells, HEK293 cells, HEK-293 cells

IP : HEK-293 cells,

IHC : human breast cancer tissue,

IF/ICC : A431 cells, HepG2 cells

Background Information

RNA-binding motif protein 15 (RBM15) belongs to the SPEN protein family, which have repressor function in several signaling pathway, and may bind to RNA through interaction with spliceosome components. It was first described as a 5′ translocation partner of the MAL gene in t(1,22)(p13;q13) infant acute megakaryocytic leukemia, and it functions in murine hematopoiesis through modulating Notch-induced transcriptional activation, which play crucial roles in leukemogenesis. Decreasing RBM15 levels with RNA interference could inhibit the growth and proliferation, block the cell cycle, and induce apoptosis in CML cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Vladimir Majerciak	25234929	RNA	WB
Zhenwei Li	34825733	J Clin Lab Anal	WB
Fanhua Kong	36434140	Discov Oncol	WB

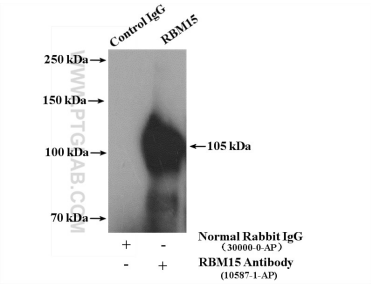
Storage

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

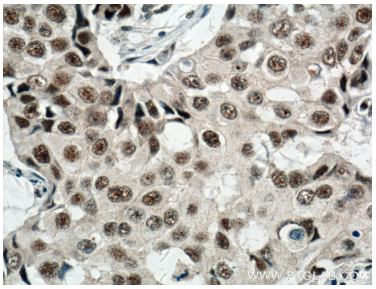
*** 20ul sizes contain 0.1% BSA

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

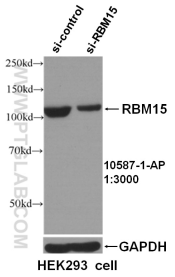
Selected Validation Data



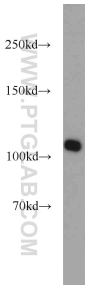
IP result of anti-RBM15 (IP:10587-1-AP, 4ug; Detection:10587-1-AP 1:500) with HEK-293 cells lysate 2600 ug.



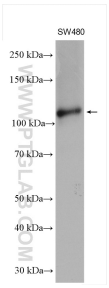
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10587-1-AP (RBM15 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



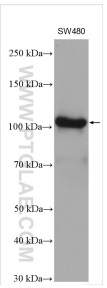
WB result of RBM15 antibody (10587-1-AP, 1:3000) with si-control and si-RBM15 transfected HEK293 cells.



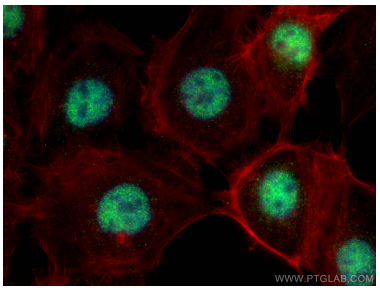
HEK-293 cells were subjected to SDS PAGE followed by western blot with 10587-1-AP (RBM15 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



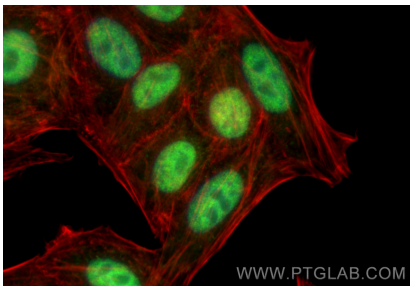
SW480 cells were subjected to SDS PAGE followed by western blot with 10587-1-AP (RBM15 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



SW480 cells were subjected to SDS PAGE followed by western blot with 10587-1-AP (RBM15 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using RBM15 antibody (10587-1-AP) at dilution of 1:2000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using RBM15 antibody (10587-1-AP) at dilution of 1:1000 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).