For Research Use Only

RBM14 Recombinant monoclonal antibody

Catalog Number:88407-1-RR

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Basic Information

Catalog Number:
88407-1-RR

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG42734

GenBank Accession Number:
BC000488

GeneID (NCBI):
10432

UNIPROT ID:
Q96PK6

Full Name:
RNA binding motif protein 14

Calculated MW:
70 kDa

Observed MW:
70-75 kDa

Purification Method:
Protein A purification

CloneNo.:
260914C12

Recommended Dilutions:
WB: 1:2000-1:10000
IHC: 1:400-1:1600
IF/ICC: 1:500-1:2000

Applications

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

Species Specificity:
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 : HeLa cells, HEK-293 cells, Jurkat cells, COS-7 cells, NIH/3T3 cells, C2C12 cells, C6 cells

IHC : mouse thymus tissue,

IF/ICC : U-251 cells,

Background Information

RBM14 is a ribonucleoprotein that functions as a general nuclear coactivator, and an RNA splicing modulator. This protein contains two RNA recognition motifs (RRM) at the N-terminus, and multiple hexapeptide repeat domain at the C-terminus that interacts with thyroid hormone receptor-binding protein (TRBP), and is required for transcription activation.

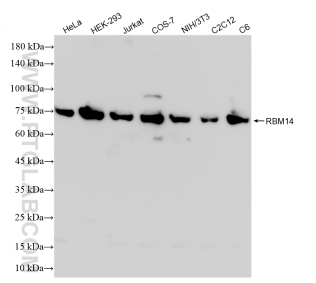
Storage

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

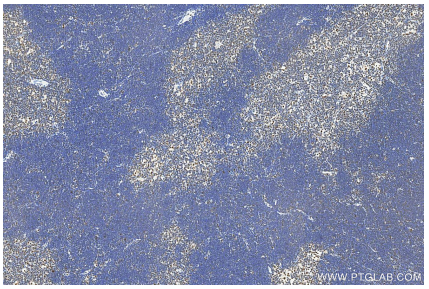
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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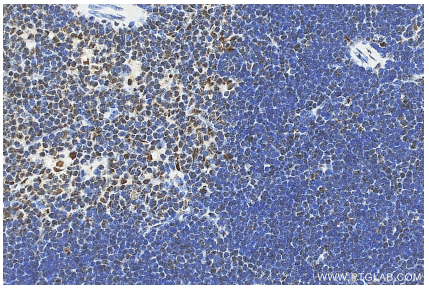
Selected Validation Data



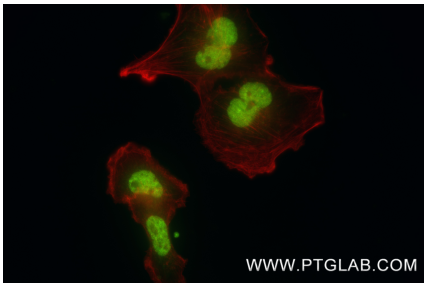
Various lysates were subjected to SDS PAGE followed by western blot with 88407-1-RR (RBM14 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



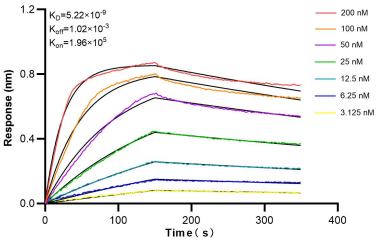
Immunohistochemical analysis of paraffin-embedded mouse thymus tissue slide using 88407-1-RR (RBM14 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse thymus tissue slide using 88407-1-RR (RBM14 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed U-251 cells using RBM14 antibody (88407-1-RR, Clone: 260914C12) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 88407-1-RR against Human RBM14 were performed. The affinity constant is 5.22 nM.