Product datasheet

Anti-RBM42 Antibody

Catalog Number: *A14229-1*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
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Basic Information

Product Name	Anti-RBM42 Antibody
Gene Name	RBM42
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human RBM42 recombinant protein (Position: E73-K469). Human RBM42 shares 98.7% and 99% amino acid (aa) sequence identity with mouse and rat RBM42, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	65 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

RBM42 belongs to the RRM RBM42 family and it contains 1 RRM (RNA recognition motif) domain. The functions of RBM42 remain unknown.

Selected Validation Data

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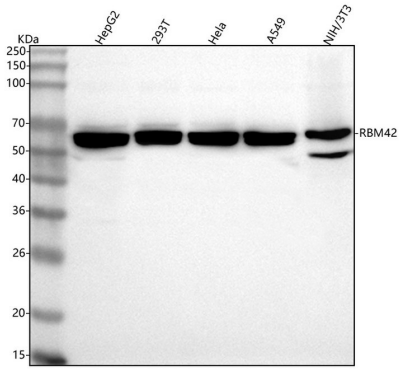
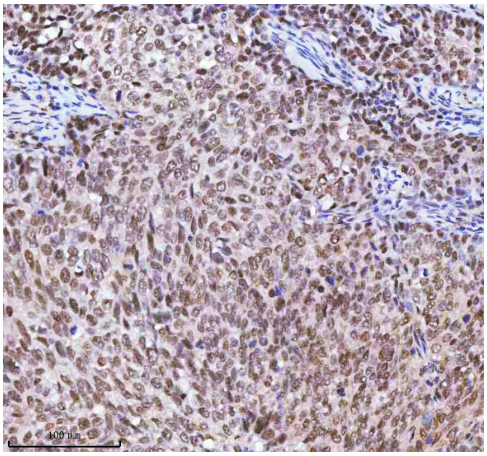


Western blot analysis of RBM42 using anti-RBM42 antibody (A14229-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human HepG2 whole cell lysates,
Lane 2: human 293T whole cell lysates,
Lane 3: human Hela whole cell lysates,
Lane 4: human A549 whole cell lysates,
Lane 5: mouse NIH/3T3 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-RBM42 antigen affinity purified polyclonal antibody (A14229-1) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for RBM42 at approximately 65 kDa. The expected band size for RBM42 is at 50 kDa.



IHC analysis of RBM42 using anti-RBM42 antibody (A14229-1) .
RBM42 was detected in a paraffin-embedded section of human cervix squamous cell carcinoma tissue. The tissue section was incubated with rabbit anti-RBM42 Antibody (A14229-1) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.

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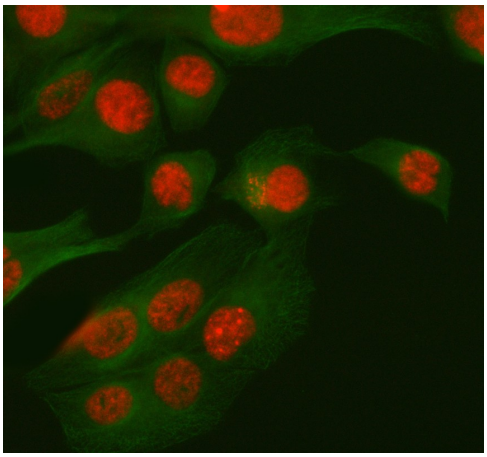
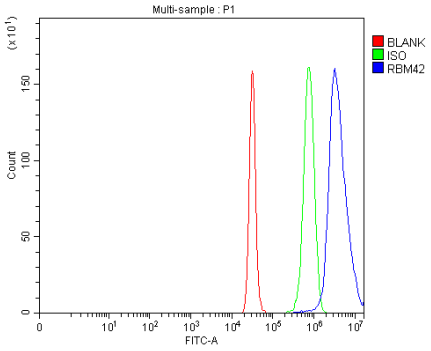


IF analysis of RBM42 using anti-RBM42 antibody (A14229-1) and anti-Beta Tubulin antibody (M01857-3).
RBM42 was detected in an immunocytochemical section of Hela cells. The section was incubated with rabbit anti-RBM42 Antibody (A14229-1) at a dilution of 1:100. Cy3-Conjugated Anti-rabbit IgG Secondary Antibody (Red) (Catalog # BA1032) and FITC Conjugated AffiniPure Goat Anti-mouse IgG (H+L) Secondary Antibody (green)(Catalog#BA1101) were used as secondary antibody.



Flow Cytometry analysis of 293T cells using anti-RBM42 antibody (A14229-1).
Overlay histogram showing 293T cells stained with A14229-1 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-RBM42 Antibody (A14229-1) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample (Red line) was also used as a control.