Anti-RRS1 Antibody

Catalog Number: *A04418-4*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
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Basic Information

Product Name	Anti-RRS1 Antibody
Gene Name	RRS1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC, ICC/IF, IF, FCM
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human RRS1, which shares 95.5% and 100% amino acid (aa) sequence identity with mouse and rat RRS1, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	41 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunofluorescence (IF): 1:50-400 Immunocytochemistry/Immunofluorescence(ICC/IF): 1:50-400 Flow Cytometry (Fixed): 1:50-200 (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. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

Ribosome biogenesis regulatory protein homolog is a protein that in humans is encoded by the RRS1 gene. RRS1 involved in ribosomal large subunit assembly and may regulate the localization of the 5S RNP/5S ribonucleoprotein particle to the nucleolus.

Selected Validation Data

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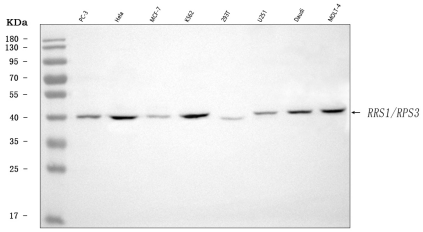
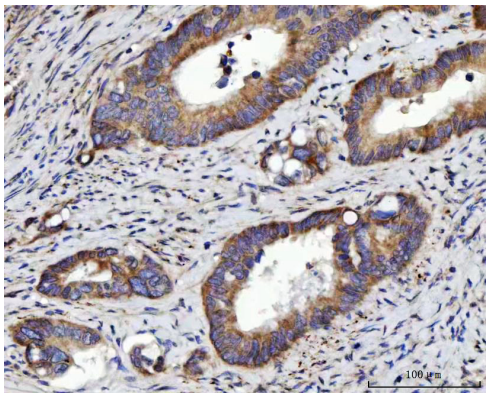
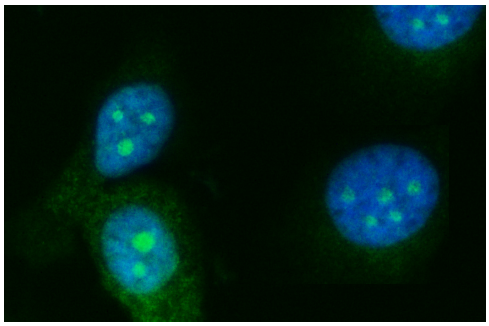


Western blot analysis of RRS1 using anti-RRS1 antibody (A04418-4). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: PC-3 whole cell lysates,
Lane 2: Hela whole cell lysates,
Lane 3: MCF-7 whole cell lysates,
Lane 4: K562 whole cell lysates,
Lane 5: 293T whole cell lysates,
Lane 6: U251 whole cell lysates,
Lane 7: Daudi whole cell lysates,
Lane 8: MOLT-4 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-RRS1 antigen affinity purified polyclonal antibody (A04418-4) 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 RRS1 at approximately 41 kDa. The expected band size for RRS1 is at 41 kDa.



IHC analysis of RRS1 using anti-RRS1 antibody (A04418-4).
RRS1 was detected in a paraffin-embedded section of human Colorectal adenocarcinoma tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-RRS1 Antibody (A04418-4) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.



IF analysis of RRS1 using anti-RRS1 antibody (A04418-4).
RRS1 was detected in an immunocytochemical section of PC-3 cells. The section was incubated with rabbit anti-RRS1 Antibody (A04418-4) at a dilution of 1:100. DyLight®488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).

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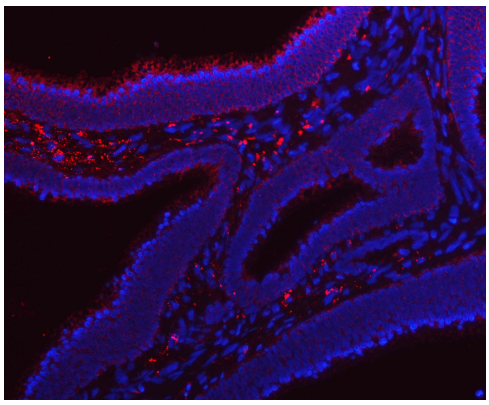
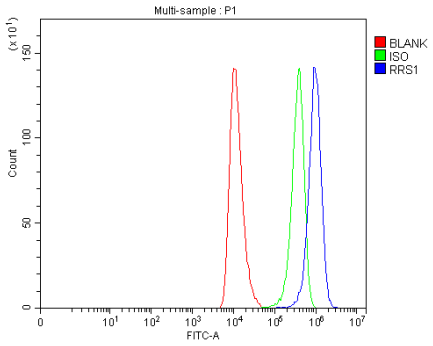


IF analysis of RRS1 using anti-RRS1 antibody (A04418-4).
RRS1 was detected in a paraffin-embedded section of human colon cancer tissue. Cy3-conjugated Anti-rabbit IgG Secondary Antibody (red)(Catalog#BA1032) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).



Flow Cytometry analysis of HEL cells using anti-RRS1 antibody (A04418-4).
Overlay histogram showing HEL cells stained with A04418-4 (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-RRS1 Antibody (A04418-4) 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 without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.