Product datasheet

Anti-RAB11B Antibody

Catalog Number: *A04526-1*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-RAB11B Antibody
Gene Name	RAB11B
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, FCM, ICC/IF
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 RAB11B, which shares 97.4% and 100% amino acid (aa) sequence identity with mouse and rat RAB11B, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	24 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 (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

Ras-related protein Rab-11B is a protein that in humans is encoded by the RAB11B gene. It is mapped to 19p13.2. The Ras superfamily of small GTP-binding proteins, which includes the Ras, Ral, Rho, Rap, and Rab families, is involved in controlling a diverse set of essential cellular functions. The Rab family, including RAB11B, appears to play a critical role in regulating exocytotic and endocytotic pathways.

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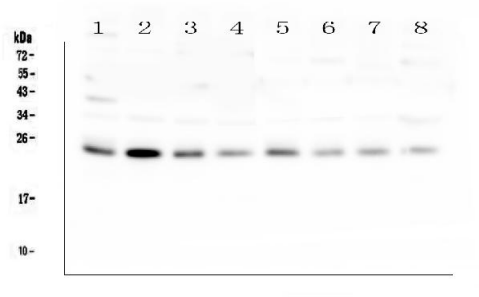
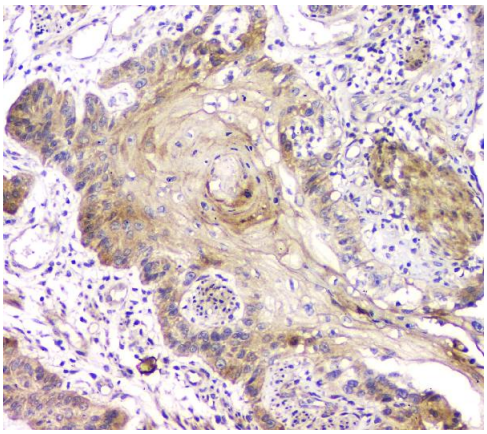
Reference

Anti-RAB11B Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of RAB11B using anti-RAB11B antibody (A04526-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: rat spleen tissue lysates,
Lane 2: rat lung tissue lysates,
Lane 3: rat ovary tissue lysates,
Lane 4: rat kidney tissue lysates,
Lane 5: mouse lung tissue lysates,
Lane 6: mouse ovary tissue lysates,
Lane 7: mouse kidney tissue lysates,
Lane 8: mouse SP20 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-RAB11B antigen affinity purified polyclonal antibody (A04526-1) 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 RAB11B at approximately 24 kDa. The expected band size for RAB11B is at 24 kDa.



IHC analysis of RAB11B using anti-RAB11B antibody (A04526-1). RAB11B was detected in a paraffin-embedded section of human oesophagus squama cancer tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-RAB11B Antibody (A04526-1) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.

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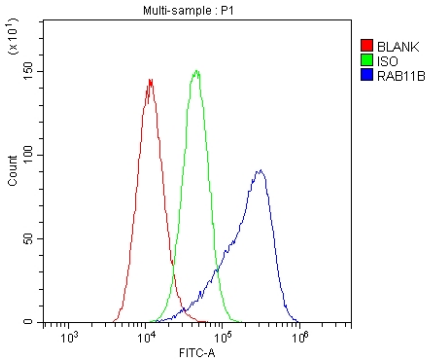
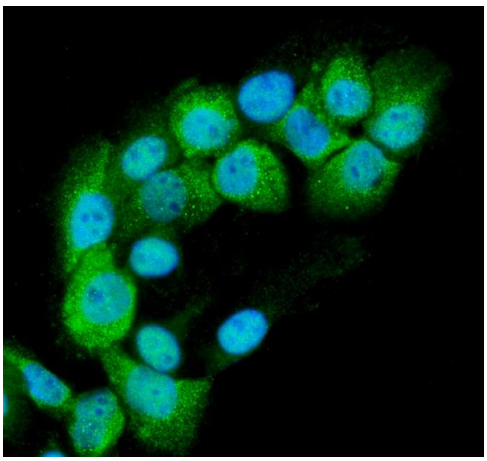


Flow Cytometry analysis of A549 cells using anti-RAB11B antibody (A04526-1).Overlay histogram showing A549 cells stained with A04526-1 (Blue line).anti-RAB11B Antibody (A04526-1, 1:100) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 1:100) was used as secondary antibody . Isotype control antibody (Green line) was rabbit IgG (1:100) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF analysis of RAB11B using anti-RAB11B antibody (A04526-1). RAB11B was detected in immunocytochemical section of A431 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) rabbit anti-RAB11B Antibody (A04526-1) . DyLight488 Conjugated Goat Anti-Rabbit IgG (BA1127) was used as secondary antibody The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.