BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-C20orf74/RALGAPA2 Antibody Picoband®

Catalog Number: A10416-1

About RALGAPA2

Predicted to enable GTPase activator activity and protein heterodimerization activity. Predicted to be involved in activation of GTPase activity. Predicted to act upstream of or within Ral protein signal transduction; regulation of exocyst localization; and regulation of protein localization. Located in cytosol and plasma membrane.

Overview

Product Name	Anti-C20orf74/RALGAPA2 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-C20orf74/RALGAPA2 Antibody Picoband® catalog # A10416-1. Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	ELISA, Flow Cytometry, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q2PPJ7

Technical Details

Immunogen	E.coli-derived human C20orf74/RALGAPA2 recombinant protein (Position: R246-Q1556).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Purification	Immunogen affinity purified.

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Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human Flow Cytometry (Fixed), 1-3 ug/1x10^6 cells, Human ELISA, 0.1-0.5 ug/ml, -

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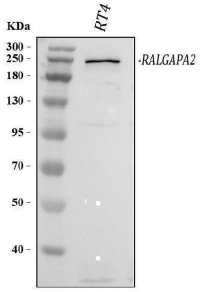
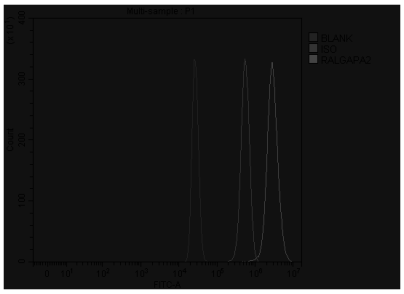
Anti-C20orf74/RALGAPA2 Antibody Picoband® (A10416-1) Images



Western blot analysis of C20orf74/RALGAPA2 using anti-C20orf74/RALGAPA2 antibody (A10416-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human RT4 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-C20orf74/RALGAPA2 antigen affinity purified polyclonal antibody (Catalog # A10416-1) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for C20orf74/RALGAPA2 at approximately 250 kDa. The expected band size for C20orf74/RALGAPA2 is at 211 kDa.



Flow Cytometry analysis of HepG2 cells using anti-C20orf74/RALGAPA2 antibody (A10416-1). Overlay histogram showing HepG2 cells stained with A10416-1 (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-C20orf74/RALGAPA2 Antibody (A10416-1, 1 ug/1x106 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x106 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

Anti-C20orf74/RALGAPA2 Antibody

For Research Use Only. Not for use in diagnostic procedures.