

Anti-RIT2 Antibody Picoband™

Catalog Number: A07833-1

About RIT2

GTP-binding protein Rit2 is a protein that in humans is encoded by the RIT2 gene. RIN belongs to the RAS (HRAS; MIM 190020) superfamily of small GTPases

Overview

Product Name	Anti-RIT2 Antibody Picoband™
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-RIT2 Antibody Picoband™ catalog # A07833-1. Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, Flow Cytometry, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
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	Q99578

Technical Details

Immunogen	E.coli-derived human RIT2 recombinant protein (Position: Q119-K193).
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.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the

optimal dilution ratio for your samples.
Some PubMed article(s) citing the expression level of this target are as follows:
Boster Bio's internal QC testing used:
Western blot, 0.25-0.5 µg/ml, Human, Mouse, Rat
Flow Cytometry, 1-3 µg/1x10⁶ cells, Human
Direct ELISA, 0.1-0.5 µg/ml, Human

Anti-RIT2 Antibody Picoband™ (A07833-1) Images

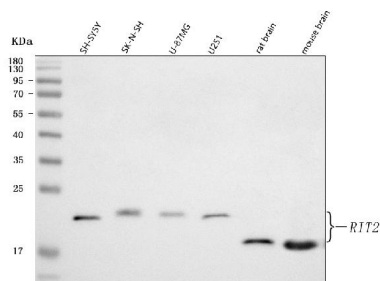


Figure 1. Western blot analysis of RIT2 using anti-RIT2 antibody (A07833-1).

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 SH-SY5Y whole cell lysates,

Lane 2: human SK-N-SH whole cell lysates,

Lane 3: human U-87MG whole cell lysates,

Lane 4: human U251 whole cell lysates,

Lane 5: rat brain tissue lysates,

Lane 6: mouse brain tissue 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-

RIT2 antigen affinity purified polyclonal antibody (Catalog # A07833-1) 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 RIT2 at approximately 17.21 kDa. The expected band size for RIT2 is at 25 kDa.

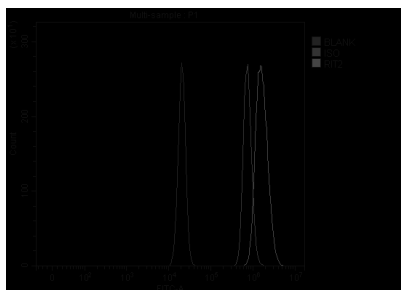


Figure 2. Flow Cytometry analysis of U2OS cells using anti-RIT2 antibody (A07833-1).

Overlay histogram showing U2OS cells stained with

A07833-1 (Blue line). The cells were blocked with 10%

normal goat serum. And then incubated with rabbit anti-RIT2 Antibody (A07833-1, 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 (Red line) was also used as a control.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-RIT2 Antibody