BOSTER BIOLOGICAL TECHNOLOGY
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Anti-RND1 Antibody Picoband®

Catalog Number: A06347

About RND1

Rnd1 is a small (~21 kDa) signaling G protein (to be specific, a GTPase), and is a member of the Rndsubgroup of the Rho family of GTPases. Members of this family regulate the organization of the actin cytoskeleton in response to extracellular growth factors. A similar protein in rat interacts with a microtubule regulator to control axon extension. The RND1 gene is mapped to chromosome 12q12-q13.

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Overview

Product Name	Anti-RND1 Antibody Picoband®
Reactive Species	Human, Mouse
Description	Boster Bio Anti-RND1 Antibody Picoband® catalog # A06347. Tested in WB applications. This antibody reacts with Human, Mouse. 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	WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Storage Instructions	Store 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 freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q92730

Technical Details

Immunogen	E. coli-derived human RND1 recombinant protein (Position: K105-C229). Human RND1 shares 95.2% amino acid (aa) sequence identity with mouse RND1.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.

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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 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Mouse, Human

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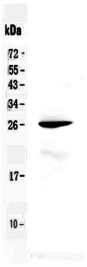
Anti-RND1 Antibody Picoband® (A06347) Images



Western blot analysis of RND1 using anti-RND1 antibody (A06347). 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 50ug of sample under reducing conditions. Lane 1: mouse liver tissue lysate. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA 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-RND1 antigen affinity purified polyclonal antibody (Catalog # A06347) 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 1:10000 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 RND1 at approximately 26KD. The expected band size for RND1 is at 26KD.

Anti-RND1 Antibody

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