

Anti-RAP2A Antibody Picoband®

Catalog Number: A03547-2

About RAP2A

Enables GTPase activity; guanyl ribonucleotide binding activity; and magnesium ion binding activity. Involved in several processes, including microvillus assembly; positive regulation of protein autophosphorylation; and regulation of dendrite morphogenesis. Acts upstream of or within establishment of protein localization. Located in plasma membrane and recycling endosome membrane. Is active in Schaffer collateral - CA1 synapse.

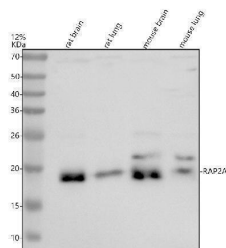
Overview

Product Name	Anti-RAP2A Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-RAP2A Antibody Picoband® catalog # A03547-2. Tested in WB applications. This antibody reacts with Mouse, Rat. 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 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	P10114

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human RAP2A.
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, 0.25-0.5 ug/ml, Mouse, Rat

Anti-RAP2A Antibody Picoband® (A03547-2) Images



Western blot analysis of RAP2A using anti-RAP2A antibody (A03547-2). Electrophoresis was performed on a 12% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: rat lung tissue lysates, Lane 3: mouse brain tissue lysates, Lane 4: mouse lung 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-RAP2A antigen affinity purified polyclonal antibody (A03547-2) 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 ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for RAP2A at approximately 18 kDa. The expected band size for RAP2A is at 21 kDa.

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Anti-RAP2A Antibody

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