

Anti-Rab3A Antibody Picoband™

Catalog Number: PB9322

About RAB3A

Ras-related protein Rab-3A is a protein that in humans is encoded by the RAB3A gene. This gene is mapped to 19p13.11. Synapsin I stimulated the RAB3A cycle by increasing GTP binding, GTPase activity, and RAB3A recruitment to the synaptic vesicle membrane. Conversely, RAB3A inhibited synapsin I binding to actin and synapsin I-induced synaptic vesicle clustering. It has been found that RAB3A was necessary for both forms of synaptic plasticity, and it is also involved in calcium exocytosis in neurons. In addition to that, RAB3A has been found to regulate a late step in synaptic vesicle fusion.

Overview

Product Name	Anti-Rab3A Antibody Picoband™
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Rab3A Antibody Picoband™ catalog # PB9322. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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	P20336

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Rab3A, different from the related mouse and rat sequences by two amino acids.
Predicted Reactive Species	Bovine, Canine, Horse, Monkey
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 ug/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, 0.1-0.5ug/ml, Mouse, Rat, Human

Anti-Rab3A Antibody Picoband™ (PB9322) Images



Anti-Rab3A Picoband antibody, PB9322, Western blotting

All lanes: Anti Rab3A (PB9322) at 0.5ug/ml

Lane 1: Rat Brain Tissue Lysate at 50ug

Lane 2: Mouse Brain Tissue Lysate at 50ug

Predicted bind size: 25KD

Observed bind size: 25KD

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