

## Anti-Rab3A Antibody Picoband® Biotin Conjugated

Catalog Number: PB9322-Biotin

### 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® Biotin Conjugated
Reactive Species	Human, Mouse, Rat
Application	WB, IHC, ELISA
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
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.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	Western blot, Optimal dilutions should be determined by end users. Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by end users.

ELISA, Optimal dilutions should be determined by end users.

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