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3942 B Valley Ave, Pleasanton, CA 94566
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Anti-Rim3 RIMS3 Antibody

Catalog Number: A13058

About RIMS3

Rab3-interacting molecules (RIMs) are synaptic proteins are synaptic proteins necessary for neural transmission and plasticity. While both Rim1 and Rim 2 are thought to be effector proteins for Rab3, binding to Rab3 on synaptic vesicles in a GTP-dependent manner, less is known of Rim3. Expression of Rim3 in PC12 cells induced a significant increase in calcium-triggered exocytosis, with no appreciable change in the baseline release, suggesting that it plays a role in the regulation of exocytosis. Rim3 protein localizes primarily to neuronal dendrites and the postsynaptic densities, as opposed to Rim1 which is found in presynapse locations, indicating that Rim3 may contribute to synapse transmission and plasticity.

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Overview

Product Name	Anti-Rim3 RIMS3 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Rim3 RIMS3 Antibody (Catalog # A13058). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Rim3 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	Rim3 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9UJD0

Technical Details

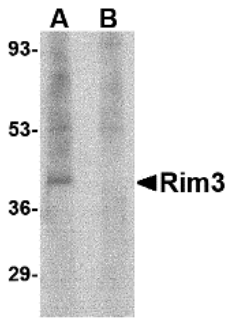
Immunogen	Rim3 antibody was raised against a 17 amino acid synthetic peptide from near the amino terminus of human Rim3. The immunogen is located within amino acids 60 - 110 of Rim3.
Predicted Reactive Species	Rat
Cross Reactivity	This antibody is predicted to have no cross-reactivity to other Rim proteins.

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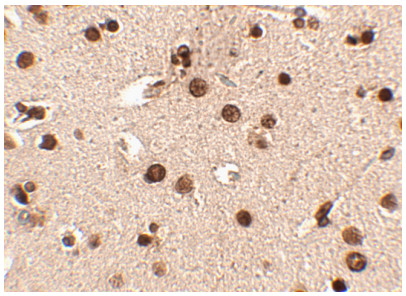
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Rim3 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	Rim3 antibody can be used for detection of Rim3 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 5 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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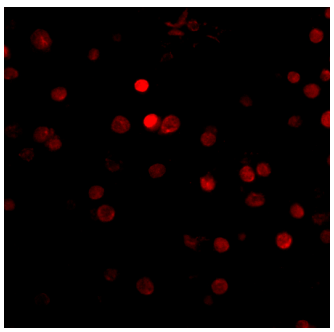
Anti-Rim3 RIMS3 Antibody (A13058) Images



Western blot analysis of Rim3 in human brain tissue lysate with Rim3 antibody at 1 ug/mL in the (A) absence and (B) presence of blocking peptide.



Immunohistochemistry of Rim3 in human brain tissue with Rim3 antibody at 2.5 ug/mL.



Immunofluorescence of rim3 in human brain tissue with rim3 antibody at 5 ug/mL.

Anti-Rim3 RIMS3 Antibody

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