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Product datasheet for TA306527

RIMS3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 2.5 ug/mL, IF: 5 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Rim3 antibody was raised against a 17 amino acid peptide from near the amino terminus of human Rim3.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	regulating synaptic membrane exocytosis 3
Database Link:	NP_055562 Entrez Gene 242662 MouseEntrez Gene 9783 Human Q9UJD0
Background:	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. This antibody is predicted to have no cross-reactivity to other Rim proteins.

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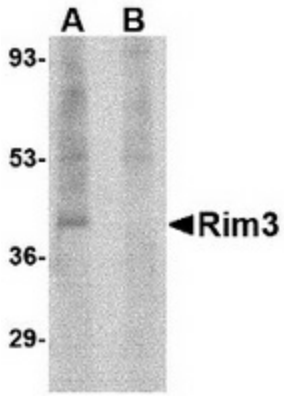
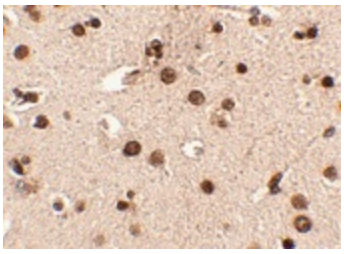
Synonyms: NIM3; RIM3

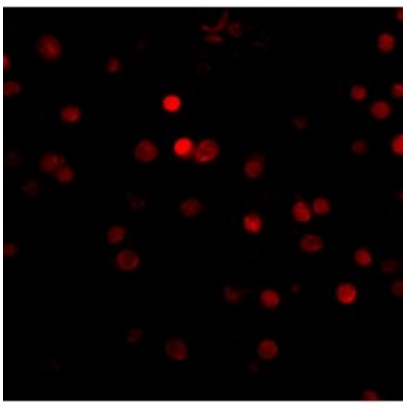
Product images:



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.