Datasheet for ABIN500610

anti-RIMS3 antibody (N-Term)

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2 Images

Overview

Quantity:	0.1 mg
Target:	RIMS3
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RIMS3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Rim3 antibody was raised against a 17 amino acid peptide from near the amino terminus of human Rim3.
Isotype:	IgG
Specificity:	This antibody detects Rim3 at N-term. It is predicted to have no cross-reactivity to other Rim proteins.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse
Purification:	Peptide affinity chromatography

Target Details

Target:	RIMS3

Target Details

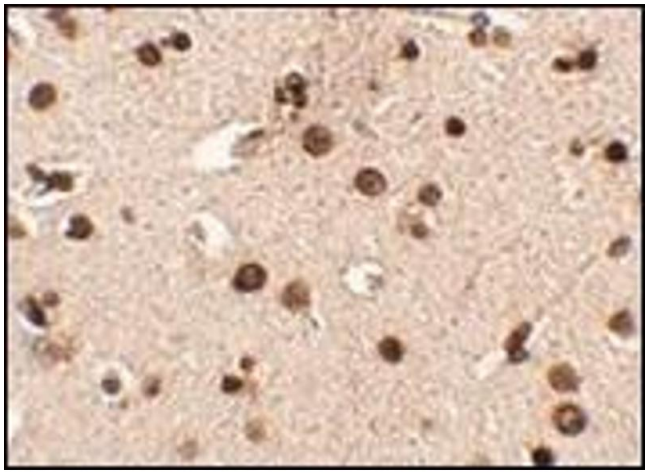
Alternative Name:	RIMS3 (RIMS3 Products)
Background:	Rab3-interacting molecules (RIMs) are synaptic proteins are synaptic proteins necessary for neural transmission and plasticity. While both Rim1 and Rim 2 are thought to be effector proteins for Rab3, binding to Rab3 on synaptic vesicles in a GTP-dependent 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.Synonyms: KIAA0237, Nim3, RIM 3, RIM3 gamma, Rab-3-interacting molecule 3, Regulating synaptic membrane exocytosis protein 3
Gene ID:	9783
NCBI Accession:	NP_055562
UniProt:	Q9UJD0
Pathways:	Stem Cell Maintenance, Synaptic Vesicle Exocytosis

Application Details

Application Notes:	ELISA. Western blot: 0.5 - 1 µg/mL. Immunohistochemistry on paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

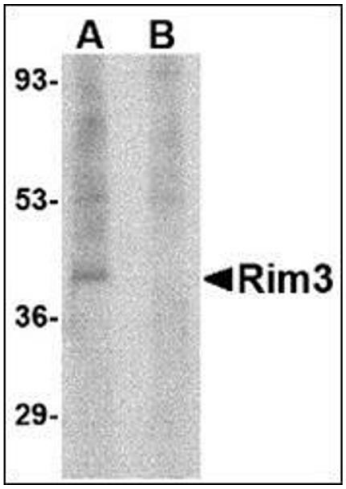
Handling

Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of Rim3 in human brain tissue with this product at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of Rim3 in human brain tissue lysate with this product at 1 µg/ml in the (A) absence and (B) presence of blocking peptide.

