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Datasheet for ABIN5009834

anti-RIMS3 antibody (AA 21-120) (Alexa Fluor 750)

Overview

Quantity:	100 µL
Target:	RIMS3
Binding Specificity:	AA 21-120
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RIMS3 antibody is conjugated to Alexa Fluor 750
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human RIMS3
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Chicken, Rabbit, Zebrafish
Purification:	Purified by Protein A.

Target Details

Target:	RIMS3
Alternative Name:	RIMS3 (RIMS3 Products)
Background:	Synonyms: NIM 3, NIM3, Rab 3 interacting molecule 3, Regulating synaptic membrane

Target Details

exocytosis 3, Regulating synaptic membrane exocytosis protein 3, RIMS 3, RIMS-3, RIM 3, RIM3, RIM3 gamma, RIMS3, RIMS3_HUMAN.

Background: Rab 3, a neural/neuroendocrine-specific member of the Rab family, is involved in Ca²⁺-regulated exocytosis and functions in an inhibitory capacity, controlling the recruitment and pooling of secretory vesicles at the plasma membrane. The Rim (Rab 3 interacting molecule) family of proteins (Rim1, Rim2, Rim3 and Rim4) are multidomain adaptors that regulate Rab 3 activity and sub-sequent neurotransmitter release. Rim3, also known as RIMS3 (regulating synaptic membrane exocytosis 3) or NIM3, is a 308 amino acid member of the Rim family. Localized to the synapse and to cell junctions, Rim3 contains one C2 domain and is thought to play an important role in the regulation of synaptic membrane exocytosis. Rim3, a protein that may be phosphorylated upon DNA damage, is expressed throughout the body with highest levels present in brain tissue.

Gene ID: 9783

Pathways: [Stem Cell Maintenance](#), [Synaptic Vesicle Exocytosis](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months