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Datasheet for ABIN6990845
anti-RIMS2 antibody (AA 30-80)

Overview

Quantity:	0.1 mg
Target:	RIMS2
Binding Specificity:	AA 30-80
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RIMS2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	RIM2 antibody was raised against a 16 amino acid peptide near the carboxy terminus of human RIM2. The immunogen is located within amino acids 30 - 80 of RIM2.
Isotype:	IgG
Purification:	RIM2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	RIMS2
Alternative Name:	RIM2 (RIMS2 Products)
Background:	RIM2 Antibody: Rab3-interacting molecules (RIMs) are synaptic proteins necessary for neuronal transmission and plasticity. RIM1 and RIM2 proteins are expressed in overlapping but distinct patterns throughout the brain. While the ablation of either gene was not lethal in mice, the

Target Details

deletion of both resulted in postnatal mortality. This lethality is due to a defect in neurotransmitter release, synapses without RIM proteins can still release neurotransmitters but are unable to do so in response to normal Ca²⁺ triggers. Like RIM1, RIM2 is thought to be an effector protein for Rab3, binding to Rab3 on synaptic vesicles in a GTP-dependent manner.

Molecular Weight: Predicted: 148 kDa

Gene ID: 9699

NCBI Accession: [NP_001093587](#)

UniProt: [Q9UQ26](#)

Pathways: [Hormone Transport, Synaptic Vesicle Exocytosis](#)

Application Details

Application Notes: RIM2 antibody can be used for detection of RIM2 by immunohistochemistry at 5 µg/mL.

Antibody validated: Immunohistochemistry in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: RIM2 Antibody is supplied in 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.

Storage: -20 °C, 4 °C

Storage Comment: RIM2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.