



[Go to Product page](#)

Datasheet for ABIN6990907  
**anti-RIMS2 antibody (AA 250-300)**

### Overview

Quantity:	0.1 mg
Target:	RIMS2
Binding Specificity:	AA 250-300
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RIMS2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

### Product Details

Immunogen:	Rim2 antibody was raised against a 17 amino acid synthetic peptide near the center of the human Rim2. The immunogen is located within amino acids 250 - 300 of Rim2.
Isotype:	IgG
Specificity:	Multiple isoforms of RIM2 are known to exist. This antibody is predicted to have no cross-reactivity to other Rim proteins.
Purification:	Rim2 Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	RIMS2
Alternative Name:	Rim2 ( <a href="#">RIMS2 Products</a> )

## Target Details

---

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 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 Ca <sup>2+</sup> triggers. Like Rim1, Rim 2 is thought to be an effector protein for Rab3, binding to Rab3 on synaptic vesicles in a GTP-dependent manner.
Molecular Weight:	Predicted: 39, 128, 148, 170 kDa  Observed: 128 kDa
Gene ID:	9699
NCBI Accession:	<a href="#">NP_001093587</a>
UniProt:	<a href="#">Q9UQ26</a>
Pathways:	<a href="#">Hormone Transport, Synaptic Vesicle Exocytosis</a>

## Application Details

---

Application Notes:	Rim2 antibody can be used for detection of Rim2 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/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.
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.

## Handling

---

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. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.