Datasheet for ABIN1742305

anti-Regulating Synaptic Membrane Exocytosis 1 (RIMS1) (AA 596-705) antibody

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Overview

Quantity:	50 µg
Target:	Regulating Synaptic Membrane Exocytosis 1 (RIMS1)
Binding Specificity:	AA 596-705
Reactivity:	Mouse, Rat, Human, Chicken, Frog, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein (aa 596-705) of rat RIM 1 containing part of PDZ domain.
Specificity:	Specific for RIM 1
Cross-Reactivity (Details):	weak cross reactivity to RIM 2.
Purification:	Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization.

Target Details

Target:	Regulating Synaptic Membrane Exocytosis 1 (RIMS1)
Alternative Name:	RIM 1 (RIMS1 Products)
Pathways:	Synaptic Membrane, Synaptic Vesicle Exocytosis, Dicarboxylic Acid Transport, Regulation of long-term Neuronal Synaptic Plasticity

Application Details

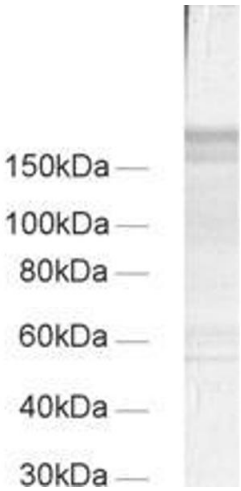
Application Notes:	WB: 1 : 100 up to 1 : 1000 (AP staining) IP: not tested yet ICC: 1 : 200 up to 1 : 500
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	For reconstitution add 50 µL H2O to get a 1mg/ml solution of antibody in PBS. Then aliquot and store at -20 °C until use.
Buffer:	PBS
Handling Advice:	Affinity purified antibodies are less robust than antisera, since protease inhibitors are also removed during purification. Hence, storage at 4 °C for prolonged periods (i.e. several weeks), is not recommended.
Storage:	-20 °C
Storage Comment:	Unlabeled lyophilized antibodies are stable in this form without loss of quality at ambient temperatures for several weeks or even months. They can be stored at 4°C for several years. Lyophilized antibodies must not be stored in the freezer, they may be destroyed!

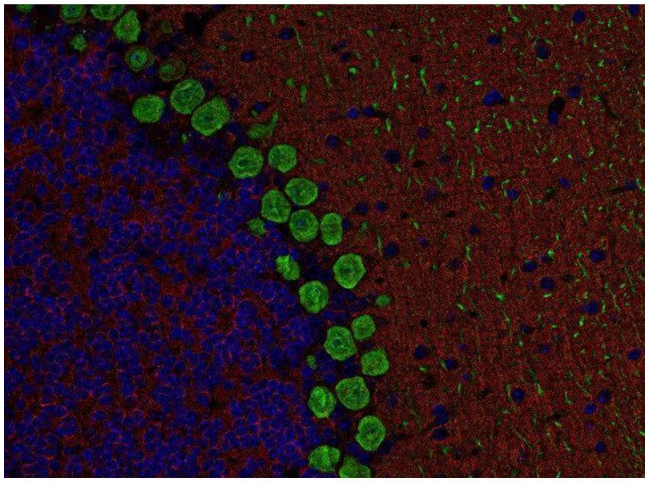
Publications

Product cited in:	Matthäus, Haddjeri, Sánchez, Martí, Bahri, Rovera, Schloss, Lau: "The allosteric citalopram binding site differentially interferes with neuronal firing rate and SERT trafficking in serotonergic neurons." in: **European neuropsychopharmacology : the journal of the European College of Neuropsychopharmacology**, Vol. 26, Issue 11, pp. 1806-1817, (2016) (PubMed). Andres, Keyser, Petrali, Benton, Hubbard, McNutt, Ray: "Morphological and functional differentiation in BE(2)-M17 human neuroblastoma cells by treatment with Trans-retinoic acid." in: **BMC neuroscience**, Vol. 14, pp. 49, (2013) (PubMed). Lau, Heimann, Bartsch, Schloss, Weber: "Nongenomic, glucocorticoid receptor-mediated regulation of serotonin transporter cell surface expression in embryonic stem cell derived serotonergic neurons." in: **Neuroscience letters**, Vol. 554, pp. 115-20, (2013) (PubMed). There are more publications referencing this product on: Product page



Western Blotting

Image 1. dilution: 1 : 100, sample: crude synaptic membranes fraction of rat brain (LP1)



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Indirect immunostaining of PFA fixed, paraffin embedded mouse cerebellum section with anti RIM 1 (dilution 1 : 500; red) and Guinea pig anti-Calbindin (cat. no. 214 005, dilution 1 : 500; green). Nuclei have been visualized by DAPI staining (blue).

