Datasheet for ABIN7043363

anti-Neuroligin 3 antibody (Extracellular, N-Term)

3 Images

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Overview

Quantity:	50 µL
Target:	Neuroligin 3 (NLGN3)
Binding Specificity:	AA 656-671, Extracellular, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Neuroligin 3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)SHITRRPNGKTWSTKR, corresponding to amino acid residues 656-671 of rat NLGN3
Isotype:	IgG
Characteristics:	Anti-Neuroligin 3 (extracellular) Antibody (ABIN7043363, ABIN7044684 and ABIN7044685)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot, analysis. The antibody recognizes an extracellular epitope, and could potentially be used for detecting the protein in living cells. It has been designed to recognize NLGN3 from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

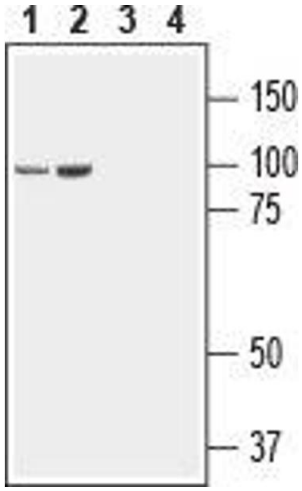
Target:	Neuroligin 3 (NLGN3)
Alternative Name:	Neuroligin 3 (NLGN3 Products)
Background:	Alternative names: Neuroligin 3, NLGN3, Gliotactin homolog, HNL3, NL3
Gene ID:	171297
NCBI Accession:	NM_018977
UniProt:	Q62889
Pathways:	Synaptic Membrane

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

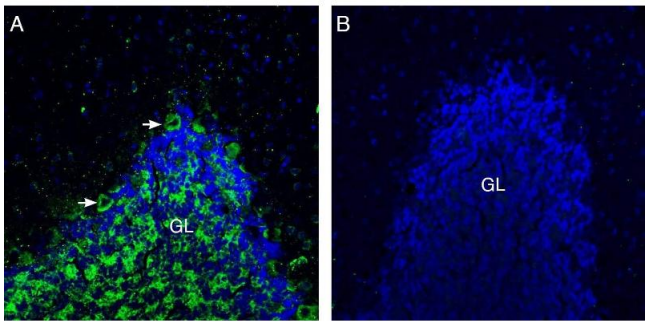
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % 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:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



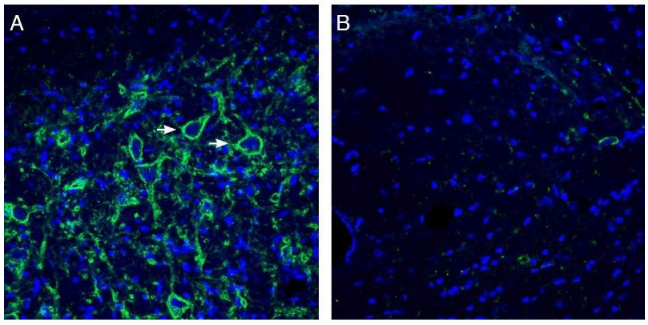
Western Blotting

Image 1. Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain lysate: - 1,2. Anti-Neuroligin 3 (extracellular) Antibody (ABIN7043363, ABIN7044684 and ABIN7044685), (1:200).3,4. Anti-Neuroligin 3 (extracellular) Antibody, preincubated with Neuroligin 3 (extracellular) Blocking Peptide (#BLP-NR037).



Immunohistochemistry

Image 2. Expression of Neuroligin-3 in rat cerebellum. - Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-Neuroligin 3 (extracellular) Antibody (ABIN7043363, ABIN7044684 and ABIN7044685), (1:200), followed by goat anti-rabbit-AlexaFluor-488. A. Neuroligin-3 immunoreactivity (green) appears in in the granule layer (GL) and in some purkinje cells (arrows). B. Pre-incubation of the antibody with Neuroligin 3 (extracellular) Blocking Peptide (BLP-NR037), suppressed staining. Cell nuclei are stained with DAPI (blue).



Immunohistochemistry

Image 3. Expression of Neuroligin-3 in rat deep cerebellar nuclei. - Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-Neuroligin 3 (extracellular) Antibody (ABIN7043363, ABIN7044684 and ABIN7044685), (1:200), followed by goat anti-rabbit-AlexaFluor-488. A. Neuroligin-3 immunoreactivity (green) appears in deep cerebellar nuclei forming neuronal outlines (arrows). B. Pre-incubation of the antibody with Neuroligin 3 (extracellular) Blocking Peptide (BLP-NR037), suppressed staining. Cell nuclei are stained with DAPI (blue).