

Datasheet for ABIN7043361

anti-Neurologin 1 antibody (Extracellular, N-Term)

4 Images

[Go to Product page](#)

Overview

Quantity:	25 µL
Target:	Neurologin 1 (NLGN1)
Binding Specificity:	AA 648-661, Extracellular, N-Term
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Neurologin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)KVPSTDITLRPTRK, corresponding to amino acid residues 648-661 of rat NLGN1
Isotype:	IgG
Characteristics:	Anti-Neurologin 1 (extracellular) Antibody is directed against an extracellular epitope of rat Neurologin 1. Anti-Neurologin 1 (extracellular) Antibody (ABIN7043361, ABIN7044680 and ABIN7044681)) can be used in western blot, immunohistochemistry and live cell imaging applications. It has been designed to recognize NLGN1 from rat, mouse and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

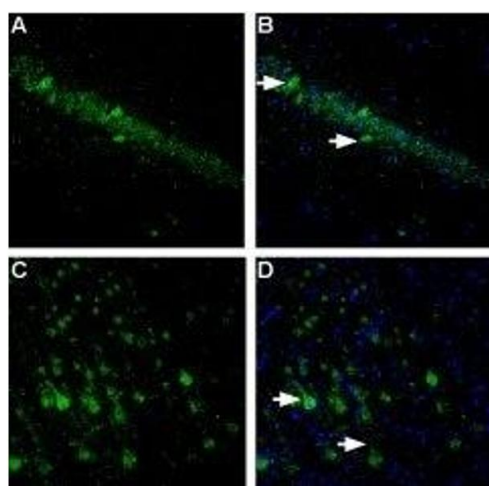
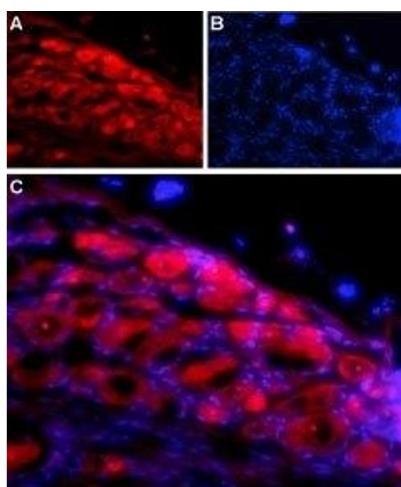
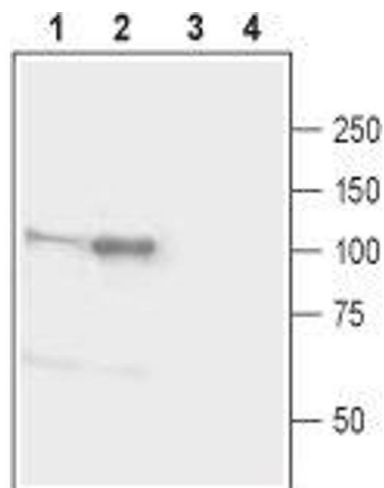
Target:	Neurologin 1 (NLGN1)
Alternative Name:	Neurologin 1 (NLGN1 Products)
Background:	Alternative names: Neurologin 1, NLGN1, NL1
Gene ID:	116647
NCBI Accession:	NM_014932
UniProt:	Q62765
Pathways:	Synaptic Membrane , Synaptic Vesicle Exocytosis

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:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>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).</p>



Western Blotting

Image 1. Western blot analysis of mouse (lanes 1 and 3) and rat (lanes 2 and 4) brain lysates: - 1,2. Anti-Neuroigin 1 (extracellular) Antibody (ABIN7043361, ABIN7044680 and ABIN7044681), (1:800).3,4. Anti-Neuroigin 1 (extracellular) Antibody preincubated with Neuroigin 1 (extracellular) Blocking Peptide (#BLP-NR035).

Immunohistochemistry

Image 2. Expression of NLGN1 in rat DRG - Immunohistochemical staining of adult rat dorsal root ganglion (DRG) using Anti-Neuroigin 1 (extracellular) Antibody (ABIN7043361, ABIN7044680 and ABIN7044681) followed by anti-rabbit-AlexaFluor-594 secondary antibody. A. NLGN1 labeling (red) appears in the cell bodies of the DRG neurons. B. Nuclear staining using DAPI as the counter stain (blue). C. Merged image of A and B.

Immunohistochemistry

Image 3. Expression of NLGN1 in rat hippocampus and cortex - Immunohistochemical staining of free floating frozen section of rat hippocampal CA1 region (A, B) and rat parietal cortex (C, D) using Anti-Neuroigin 1 (extracellular) Antibody (ABIN7043361, ABIN7044680 and ABIN7044681), (1:300). A. NLGN1 staining (green) appears in several neuronal profiles in the pyramidal layer (arrows). C. NLGN1 staining (green) is detected in several neuronal profiles including pyramidal cells and their apical dendrite (arrows). B, D. Nuclei are stained using DAPI as the counterstain (blue).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043361.