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Datasheet for ABIN5690079

anti-Neurologin 2 antibody (AA 630-680)

Overview

Quantity:	0.1 mg
Target:	Neurologin 2 (NLGN2)
Binding Specificity:	AA 630-680
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	NLGN2 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human NLGN2. The immunogen is located within amino acids 630 - 680 of NLGN2.
Isotype:	IgG
Specificity:	NLGN2 antibody is human, mouse and rat reactive. At least two isoforms are known to exist, this antibody will detect both isoforms. NLGN2 antibody is predicted to not cross-react with other members of the NLGN protein family.
Purification:	NLGN2 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	Neurologin 2 (NLGN2)
Alternative Name:	NLGN2 (NLGN2 Products)
Background:	Neurologin 2 (NLGN2) is a member of a family of neuronal cell surface proteins that localize to the post-synaptic membrane (1,2). Neuroligins are thought to act as splice site-specific ligands for beta-neurexins and may be involved in the formation and remodeling of central nervous system synapses (2). NLGN2 has been shown to control perisomatic inhibitory synapse maturation together with gephyrin and collybistin, thereby regulating GABA receptor clustering on neurons (3,4). NLGN2 also exhibits differential functions at different types of inhibitory synapses on the same postsynaptic neuron (5).
Molecular Weight:	Predicted: 92, 99 kDa Observed: 80, 97 kDa
Gene ID:	57555
NCBI Accession:	NP_065846
UniProt:	Q8NFZ4
Pathways:	Cell-Cell Junction Organization , Synaptic Membrane

Application Details

Application Notes:	NLGN2 antibody can be used for detection of NLGN2 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	NLGN2 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: 4 °C, -20 °C

Storage Comment: NLGN2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.