

Anti-Neuroigin-2 NLGN2 Antibody

Catalog Number: A06595

About NLGN2

Neuroigin 2 (NLGN2) is a member of a family of neuronal cell surface proteins that localize to the post-synaptic membrane (1,2). Neuroigins 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).

Overview

Product Name	Anti-Neuroigin-2 NLGN2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Neuroigin-2 NLGN2 Antibody (Catalog # A06595). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	NLGN2 antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	NLGN2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q8NFZ4

Technical Details

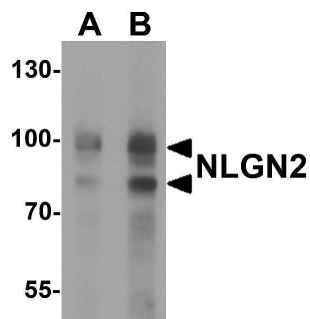
Immunogen	NLGN2 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human NLGN2. The immunogen is located within amino acids 630 - 680 of NLGN2.
Predicted Reactive Species	Bovine
Cross Reactivity	NLGN2 antibody is human, mouse and rat reactive. At least two isoforms are known to exist; this antibody will detect both isoforms. NLGN2 antibody is predicted to not cross-react with other members of the NLGN protein family.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	NLGN2 antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

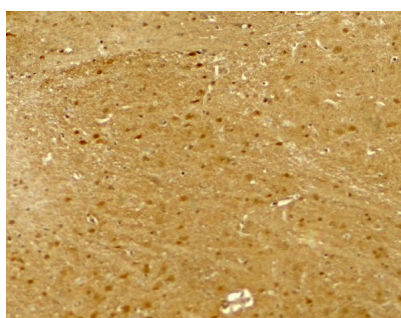
NLGN2 antibody can be used for detection of NLGN2 by Western blot at 1 - 2 ug/ml. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in rat samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

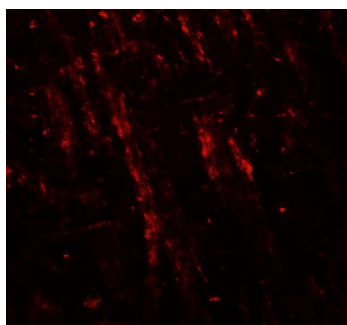
Anti-Neurologin-2 NLGN2 Antibody (A06595) Images



Western blot analysis of NLGN2 in rat brain tissue lysate with NLGN2 antibody at (A) 1 and (B) 2 ug/ml.



Immunohistochemistry of NLGN2 in mouse brain tissue with NLGN2 antibody at 5 ug/ml.



Immunofluorescence of NLGN2 in mouse brain tissue with NLGN2 antibody at 20 ug/ml.

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