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NLGN2 / Neuroligin 2 Antibody (Internal)

Goat Polyclonal Antibody
Catalog # ALS16076

Specification

NLGN2 / Neuroligin 2 Antibody (Internal) - Product Information

Application	**IHC, WB**
Primary Accession	Q8NFZ4
Reactivity	**Human, Monkey**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**91kDa KDa**

NLGN2 / Neuroligin 2 Antibody (Internal) - Additional Information

Gene ID 57555

Other Names
Neuroligin-2, NLGN2, KIAA1366

Target/Specificity
Human NLGN2.

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
NLGN2 / Neuroligin 2 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

NLGN2 / Neuroligin 2 Antibody (Internal) - Protein Information

Name NLGN2

Synonyms KIAA1366

Function
Transmembrane scaffolding protein involved in cell-cell interactions via its interactions with neurexin family members. Mediates cell-cell interactions both in neurons and in other types of cells, such as Langerhans beta cells. Plays a role in synapse function and synaptic signal transmission, especially via gamma-aminobutyric acid receptors (GABA(A) receptors). Functions by recruiting and clustering synaptic proteins. Promotes clustering of postsynaptic GABRG2 and GPHN. Promotes clustering of postsynaptic LHFPL4 (By similarity). Modulates signaling by inhibitory synapses, and thereby plays a role in controlling the ratio of signaling by excitatory and inhibitory synapses and information processing. Required for normal signal amplitude from inhibitory synapses, but is not essential for normal signal frequency. May promote the initial formation of synapses, but is not essential for this. In vitro, triggers the de novo formation of presynaptic structures. Mediates cell-cell interactions between Langerhans beta cells and

modulates insulin secretion (By similarity).

Cellular Location
Cell membrane; Single-pass type I membrane protein. Postsynaptic cell membrane. Presynaptic cell membrane. Note=Detected at postsynaptic membranes in brain. Detected at dendritic spines in cultured neurons. Colocalizes with GPHN and ARHGEF9 at neuronal cell membranes (By similarity). Localized at presynaptic membranes in retina. Colocalizes with GABRG2 at inhibitory synapses in the retina (By similarity).

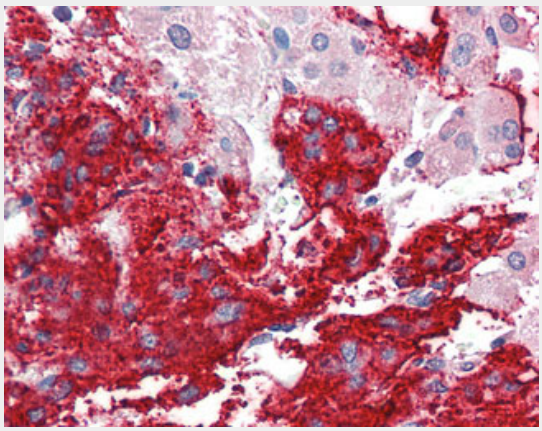
Tissue Location
Expressed in the blood vessel walls. Detected in colon, brain and pancreas islets of Langerhans (at protein level) Detected in brain, and at lower levels in pancreas islet beta cells

NLGN2 / Neuroligin 2 Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NLGN2 / Neuroligin 2 Antibody (Internal) - Images



Anti-NLGN2 / Neuroligin 2 antibody IHC staining of human adrenal.



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Antibody (0.1 ug/ml) staining of Human Pancreas lysate (35 ug protein in RIPA buffer).

NLGN2 / Neuroligin 2 Antibody (Internal) - Background

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NLGN2 / Neuroligin 2 Antibody (Internal) - References

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