

Nlgn3 Antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI13021

Product Information

Application	WB
Primary Accession	Q62889
Other Accession	NM_134336 , NP_599163
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	93888

Additional Information

Gene ID	171297
Other Names	Neuroligin-3, Gliotactin homolog, Nlgn3
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Nlgn3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Nlgn3 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Nlgn3
Function	Cell surface protein involved in cell-cell-interactions via its interactions with neurexin family members. Plays a role in synapse function and synaptic signal transmission, and probably mediates its effects by recruiting and clustering other synaptic proteins. May promote the initial formation of synapses, but is not essential for this. May also play a role in glia-glia or glia-neuron interactions in the developing peripheral nervous system.
Cellular Location	Cell membrane; Single-pass type I membrane protein. Synapse. Cell projection, dendrite {ECO:0000250 UniProtKB:Q8BYM5}. Note=Detected at both glutamatergic and GABAergic synapses. Localizes to dendritic membrane (By similarity) {ECO:0000250 UniProtKB:Q8BYM5, ECO:0000269 PubMed:17897391}

Tissue Location

Detected in brain and on hippocampus neurons, especially at excitatory synapses. Detected in retina (at protein level). Expressed in brain, spinal cord and dorsal root ganglion

References

Ichtchenko K.,et al.J. Biol. Chem. 271:2676-2682(1996).

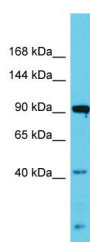
Gilbert M.,et al.Glia 34:151-164(2001).

Comoletti D.,et al.J. Neurosci. 24:4889-4893(2004).

Varoqueaux F.,et al.Neuron 51:741-754(2006).

Budreck E.C.,et al.Eur. J. Neurosci. 26:1738-1748(2007).

Images



Host: Rabbit

Target Name: Nlgn3

Sample Tissue: Rat Testis lysates

Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.