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NLGN3 Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP21311b

Specification

NLGN3 Blocking Peptide (C-term) - Product Information

Primary Accession O9NZ94

NLGN3 Blocking Peptide (C-term) - Additional Information

Gene ID 54413

Other Names
Neuroligin-3, Gliotactin homolog, NLGN3, KIAA1480, NL3

Target/Specificity
The synthetic peptide sequence is selected from aa 651-665 of HUMAN NLGN3

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NLGN3 Blocking Peptide (C-term) - Protein Information

Name NLGN3

Synonyms KIAA1480, NL3

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

NLGN3 Blocking Peptide (C-term) - Background

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 may mediate its effects by 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 (By similarity).

NLGN3 Blocking Peptide (C-term) - References

Philibert R.A.,et al.Gene 246:303-310(2000).
Rissone A.,et al.Dev. Dyn. 239:688-702(2010).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Ross M.T.,et al.Nature 434:325-337(2005).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

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Cellular Location
Cell membrane; Single-pass type I membrane protein. Cell junction, synapse Note=Detected at both glutamatergic and GABAergic synapses

Tissue Location
Expressed in the blood vessel walls (at protein level). Detected in throughout the brain and in spinal cord. Detected in brain, and at lower levels in pancreas islet beta cells

NLGN3 Blocking Peptide (C-term) - Protocols

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

- Blocking Peptides