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NLGN3 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21311b

Product Information

Application	WB, E
Primary Accession	Q9NZ94
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB52312
Calculated MW	93895

Additional Information

Gene ID	54413
Other Names	Neuroligin-3, Gliotactin homolog, NLGN3, KIAA1480, NL3
Target/Specificity	This NLGN3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 651-685 amino acids from the C-terminal region of human NLGN3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NLGN3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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 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).
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:Q8BYM5}; Single-pass type I membrane protein. Synapse {ECO:0000250|UniProtKB:Q8BYM5}. Cell projection, dendrite {ECO:0000250|UniProtKB:Q8BYM5}. Note=Detected at both glutamatergic and GABAergic synapses. Localizes to dendritic membrane {ECO:0000250|UniProtKB:Q8BYM5}
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

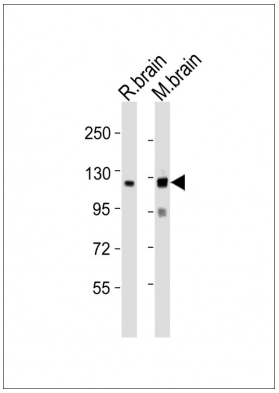
Background

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).

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.

Images



All lanes : Anti-NLGN3 Antibody (C-term) at 1:1000 dilution Lane 1: rat brain lysates Lane 2: mouse brain lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 94 kDa Blocking/Dilution buffer: 5% NFDM/TBST.