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NLGN4Y Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16091a

Product Information

Application	WB, E
Primary Accession	Q8NFZ3
Other Accession	NP_055708.3, NP_001157710.1
Reactivity	Human
Predicted	Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30288
Calculated MW	92021
Antigen Region	139-167

Additional Information

Gene ID	22829
Other Names	Neuroligin-4, Y-linked, Neuroligin Y, NLGN4Y, KIAA0951
Target/Specificity	This NLGN4Y antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 139-167 amino acids from the N-terminal region of human NLGN4Y.
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	NLGN4Y Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NLGN4Y
Synonyms	KIAA0951
Function	Cell surface protein involved in cell-cell-interactions via its interactions with

	neurexin family members.
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:Q8N0W4}; Single-pass type I membrane protein. Postsynaptic density membrane {ECO:0000250|UniProtKB:B0F2B4}; Single-pass type I membrane protein. Cell projection, dendritic spine {ECO:0000250|UniProtKB:B0F2B4}. Cell projection, dendrite {ECO:0000250|UniProtKB:Q8N0W4}. Synapse {ECO:0000250|UniProtKB:Q8N0W4} Note=Localizes to dendritic membrane. {ECO:0000250|UniProtKB:Q8N0W4}
Tissue Location	Expressed in fetal and adult brain, prostate and testis.

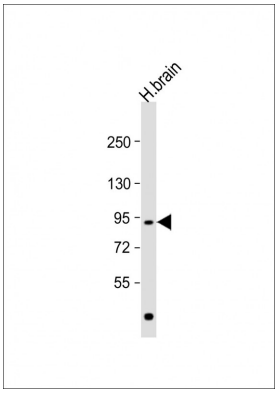
Background

Neuroligins, such as NLGN4Y, are cell adhesion molecules present at the postsynaptic side of the synapse and may be essential for the formation of functional synapses (Jamain et al., 2003 [PubMed 12669065]).

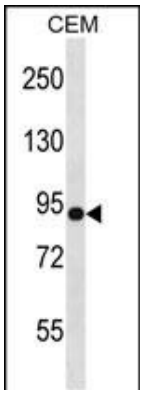
References

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Images



Anti-NLGN4Y Antibody (N-term) at 1:1000 dilution + human brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 92 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



NLGN4Y Antibody (N-term) (Cat. #AP16091a) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the NLGN4Y antibody detected the NLGN4Y protein (arrow).

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