

NLGN4Y Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16091a**Specification**

NLGN4Y Antibody (N-term) - Product Information

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

NLGN4Y Antibody (N-term) - Additional Information**Gene ID** 22829**Other Names**

Neurologin-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

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.

NLGN4Y Antibody (N-term) - 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; Single-pass type I membrane protein. Postsynaptic density membrane

Tissue Location

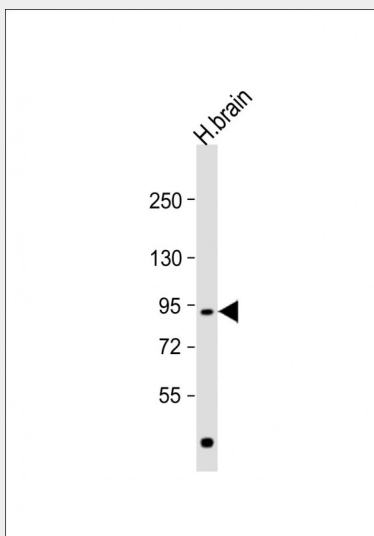
Expressed in fetal and adult brain, prostate and testis.

NLGN4Y Antibody (N-term) - Protocols

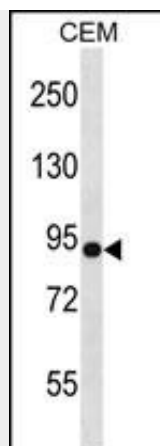
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NLGN4Y Antibody (N-term) - 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).

NLGN4Y Antibody (N-term) - 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]).

NLGN4Y Antibody (N-term) - References

Serajee, F.J., et al. J. Child Neurol. 24(10):1258-1261(2009)
Yan, J., et al. Psychiatr. Genet. 18(4):204-207(2008)
Yamakawa, H., et al. Biochem. Biophys. Res. Commun. 355(1):41-46(2007)
Ylisaukko-oja, T., et al. Eur. J. Hum. Genet. 13(12):1285-1292(2005)
Skaletsky, H., et al. Nature 423(6942):825-837(2003)