

# NLGN4Y Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16091a

## Product Information

---

<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q8NFZ3</a>
<b>Other Accession</b>	<a href="#">NP_055708.3</a> , <a href="#">NP_001157710.1</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB30288
<b>Calculated MW</b>	92021
<b>Antigen Region</b>	139-167

## Additional Information

---

<b>Gene ID</b>	22829
<b>Other Names</b>	Neurologin-4, Y-linked, Neurologin Y, NLGN4Y, KIAA0951
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	NLGN4Y Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

---

<b>Name</b>	NLGN4Y
<b>Synonyms</b>	KIAA0951
<b>Function</b>	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.

## 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]).

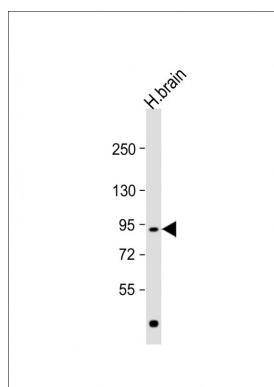
## References

---

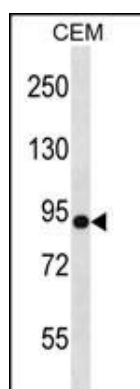
Serajee, F.J., et al. J. Child Neurol. 24(10):1258-1261(2009)  
Yan, J., et al. Psychiatr. Genet. 18(4):204-207(2008)  
Yamakawa, H., et al. Biochem. Biophys. Res. Commun. 355(1):41-46(2007)  
Ylisaukko-oja, T., et al. Eur. J. Hum. Genet. 13(12):1285-1292(2005)  
Skaletsky, H., et al. Nature 423(6942):825-837(2003)

## 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'.