

## Product datasheet for **TA338434**

### Neuroigin 4 (NLGN4X) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-NLGN4X antibody: synthetic peptide directed towards the middle region of human NLGN4X. Synthetic peptide located within the following region: ELFSCNFSKNDVMLS AVVMTYWTNFAKTGDPNPVQDTKFIHTKPNRFE
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	92 kDa
Gene Name:	neuroigin 4, X-linked
Database Link:	<a href="#">NP_065793</a> <a href="#">Entrez Gene 57502 Human</a> <a href="#">Q8N0W4</a>



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**Background:**

NLGN4X is a member of a family of neuronal cell surface proteins. Members of this family may act as splice site-specific ligands for beta-neurexins and may be involved in the formation and remodeling of central nervous system synapses. It interacts with discs, large (Drosophila) homolog 4 (DLG4). NLGN4X might play a role in the autism and Asperger syndrome. Western blots using two different antibodies against two unique regions of this protein target confirm the same apparent molecular weight in our tests. This gene encodes a member of a family of neuronal cell surface proteins. Members of this family may act as splice site-specific ligands for beta-neurexins and may be involved in the formation and remodeling of central nervous system synapses. The encoded protein interacts with discs, large (Drosophila) homolog 4 (DLG4). Mutations in this gene have been associated with autism and Asperger syndrome. Two transcript variants encoding the same protein have been identified for this gene.

**Synonyms:**

ASPGX2; AUTSX2; HLNX; HNL4X; NLGN4

**Note:**

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig: 100%

**Protein Families:**

Druggable Genome, Transmembrane

**Protein Pathways:**

Cell adhesion molecules (CAMs)

**Product images:**

WB Suggested Anti-NLGN4X Antibody Titration:  
0.2-1 ug/ml; Positive Control: Hela cell lysate