



## International Office

### Everest Biotech Ltd

Vector Laboratories, Inc.  
6737 Mowry Ave  
Newark, CA 94560  
United States

Customer Service:

[customerservice@vectorlabs.com](mailto:customerservice@vectorlabs.com)

Technical Service:

[technical@vectorlabs.com](mailto:technical@vectorlabs.com)

Tel: +1 (800) 227-6666

[www.everestbiotech.com](http://www.everestbiotech.com)

**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06930 - Goat Anti-Neurologin 4 / NLGN4X / NLGN4Y Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** NLGN4X, neuroligin 4, X-linked, HGNC:14287, AUTSX2, HNLX, HNLX, KIAA1260, MGC22376, NLGN, NLGN4, X-linked neuroligin 4, neuroligin X, NLGN4Y, neuroligin 4, Y-linked, KIAA0951, ASPGX2, OTTHUMP00000022864, OTTHUMP00000034787, neuroligin 4, Y linked, neuroligin Y

**Official Symbol:** NLGN4X; NLGN4Y

**Accession Number(s):** NP\_065793.1; NP\_851849.1; NP\_055708.3

**Human GeneID(s):** [57502](#) , [22829](#)

**Important Comments:** This antibody is expected to recognise both X-linked reported products (NP\_065793.1 and NP\_851849.1), which are identical, and the Y-linked reported product (NP\_055708.3).

### Immunogen

Peptide with sequence C-KHSDPHKTGPED, from the internal region of the protein sequence according to NP\_065793.1; NP\_851849.1; NP\_055708.3.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:128000.

**Western blot:** Preliminary experiments gave a faint approx 90kDa band and a strong approx 70kDa band in Human Brain lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the 70kDa band we observe given the calculated size of 91.9kDa according to NP\_065793.1, NP\_851849.1 and .NP\_055708.2 The 70kDa band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

### Species Reactivity

**Tested:**

**Expected from sequence similarity:** Human