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Research Use Only. Not for diagnostic or therapeutic use.

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

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

Size: 100µg specific antibody in 200µl



Target Protein

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

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-KHSKDPHKTGPED, 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