



## International Office

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

## EB06865 - Goat Anti-Neurologin 1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** NLGN1, KIAA1070, MGC45115, neurologin 1, OTTHUMP00000211275, OTTHUMP00000211276

**Official Symbol:** NLGN1

**Accession Number(s):** NP\_055747.1

**Human GeneID(s):** [22871](#)

### Immunogen

Peptide with sequence C-TAKQDDPKQQ, from the internal region of the protein sequence according to NP\_055747.1.

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 1:4000.

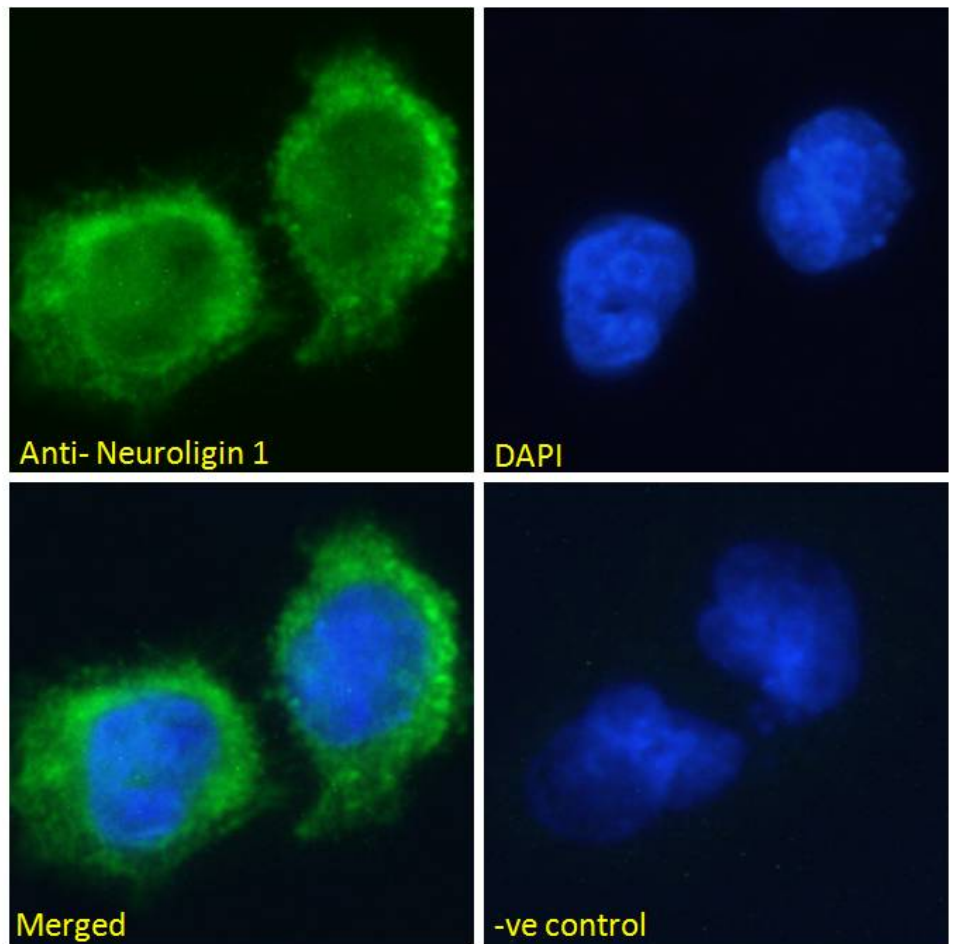
**Western blot:** Preliminary experiments gave an approx 150kDa band in Human Brain lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 92.0 kDa according to NP\_055747.1. The 150kDa band was successfully blocked by incubation with the immunizing peptide.

**Immunofluorescence:** Strong expression of the protein seen in the membranes/ cytoplasm of U251 and U2OS cells. Recommended concentration: 10µg/ml.

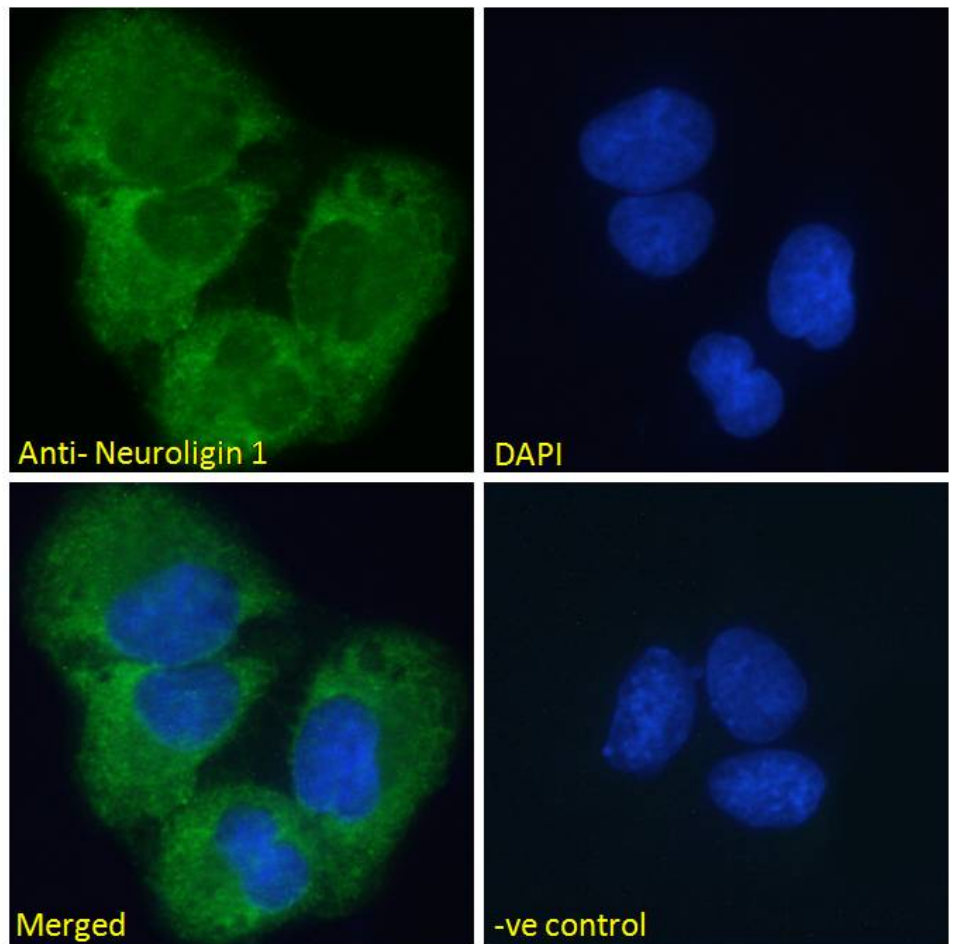
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow



EB06865 Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane/cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06865 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane/cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).