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

EB07663 - Goat Anti-Neuroigin 2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: neuroigin 2, KIAA1366, NLGN2

Official Symbol: NLGN2

Accession Number(s): NP_065846.1

Human GeneID(s): [57555](#)

Non-Human GeneID(s): 216856 (mouse), 117096 (rat)

Immunogen

Peptide with sequence C-NPPDTRDIRDPGKK, from the internal region of the protein sequence according to NP_065846.1.

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: Approx 90kDa band observed in Human Pancrease lysates (calculated MW of 90.8kDa according to NP_065846.1). Recommended concentration: 2-3µg/ml.

Primary incubation 1 hour at room temperature. Preliminary testing was unsuccessful on Mouse and Rat Brain for this particular batch.

Immunofluorescence: Strong expression of the protein seen in the mitochondria/cytoplasm of U2OS cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of MCF7 cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human

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

Specific Reference

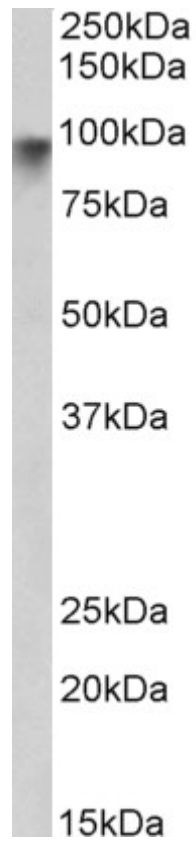
This antibody has been successfully used in the following paper:

Zelano J, Berg A, Thams S, Hailer NP, Cullheim S.

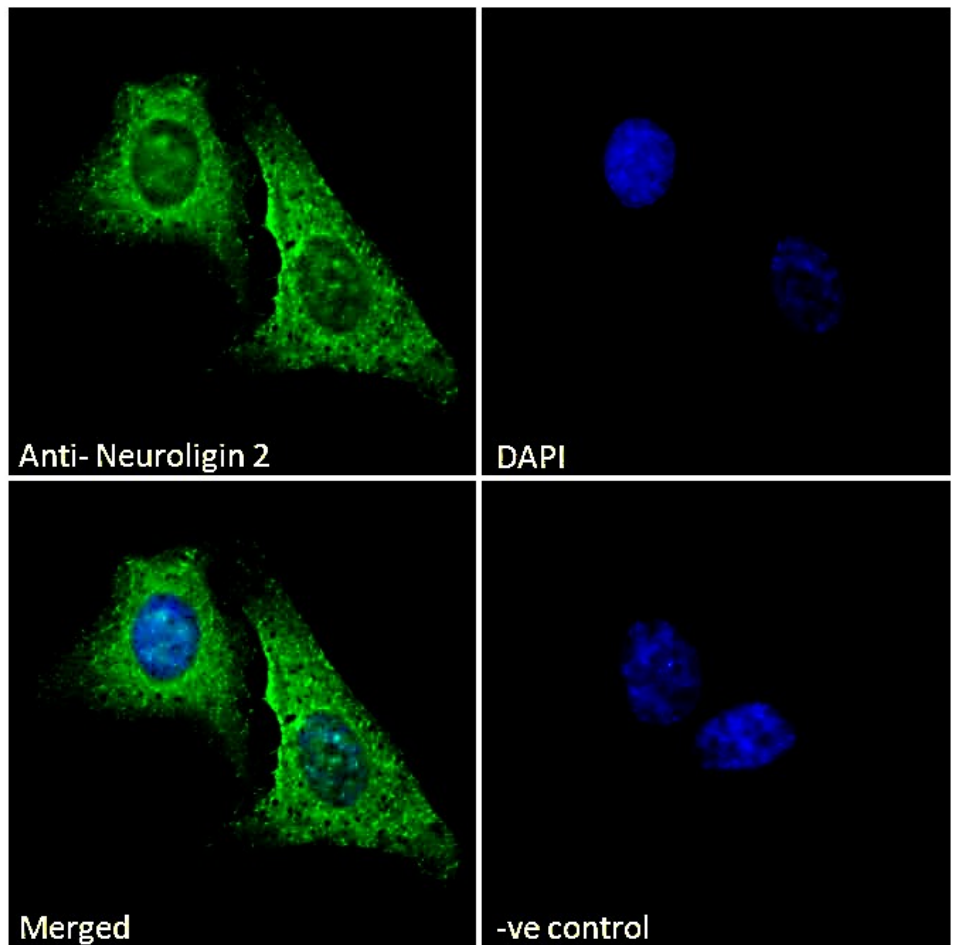
SynCAM1 expression correlates with restoration of central synapses on spinal motoneurons after two different models of peripheral nerve injury.

J Comp Neurol. 2009 Dec 10;517(5):670-82.

PMID: 19827159

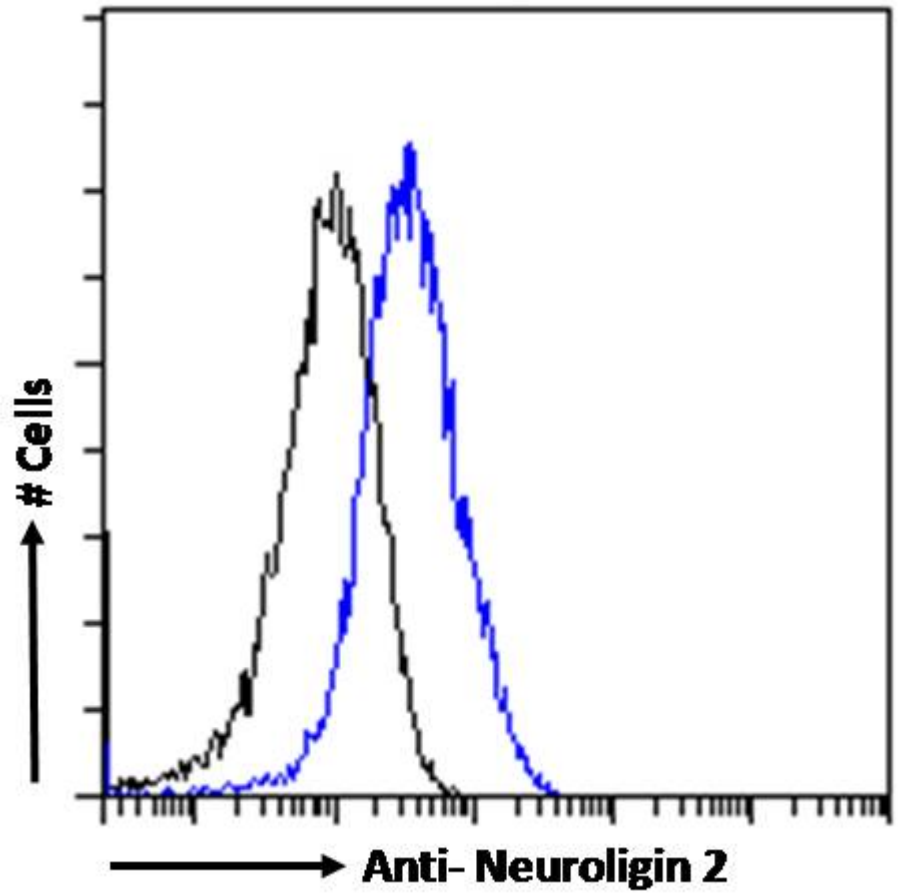


EB07663 (2 μ g/ml) staining of Human Pancrease lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.

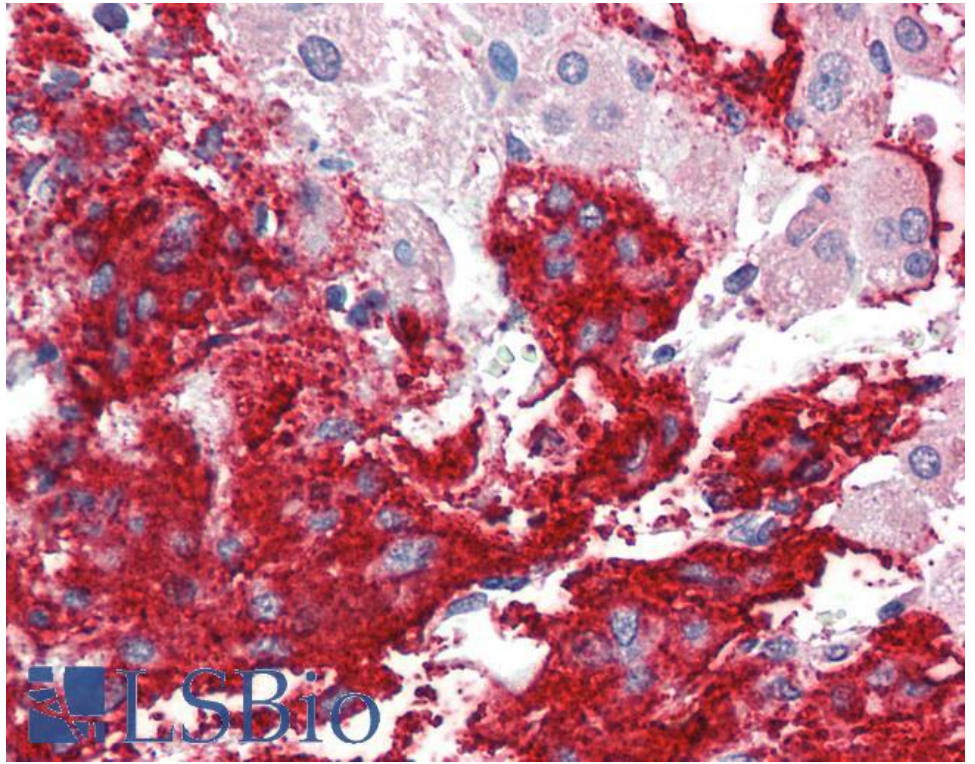


EB07663 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton.

Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing mitochondria/cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07663 Flow cytometric analysis of paraformaldehyde fixed MCF7 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB07663 (5µg/ml) staining of paraffin embedded Human Adrenal Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. **This data is from a previous batch, not on sale.**