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EB07663 - Goat Anti-Neuroligin 2 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: neuroligin 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-NPPDTDIRDPGKK, 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.

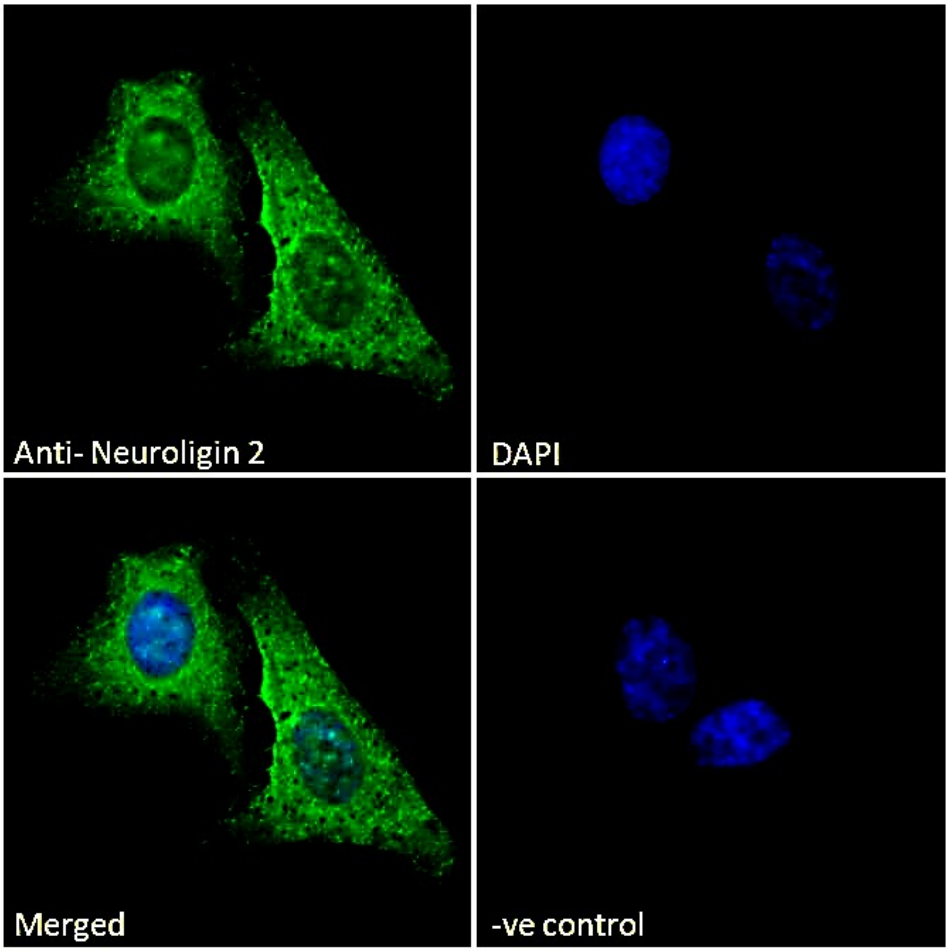
Species Reactivity

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

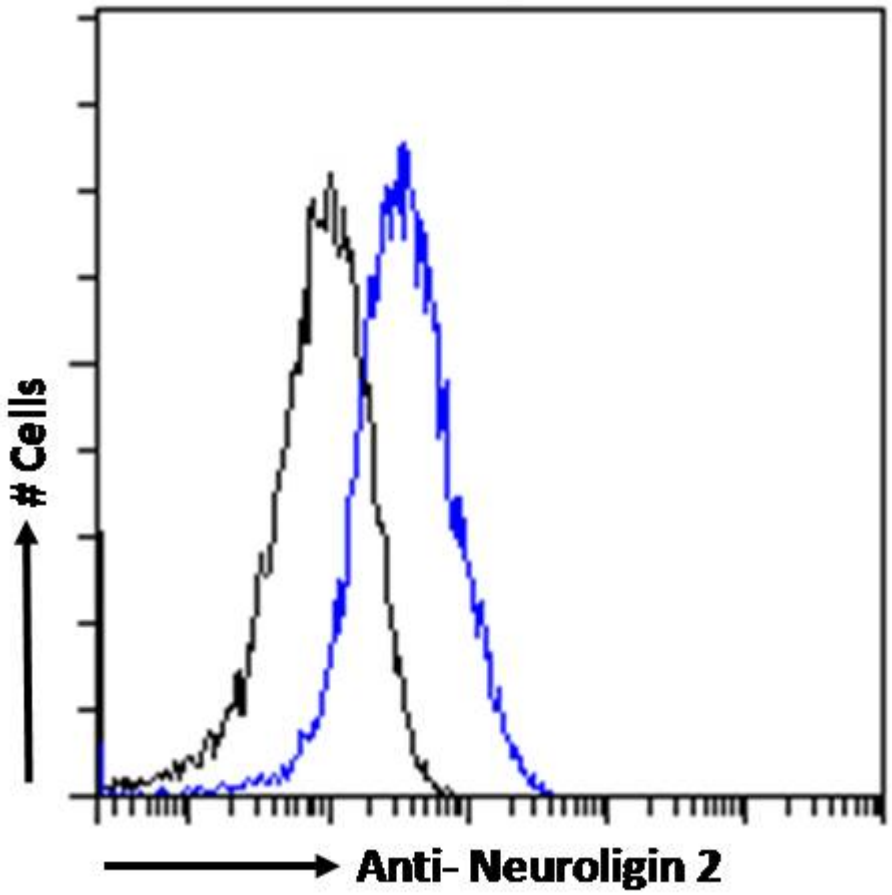
Specific Reference

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

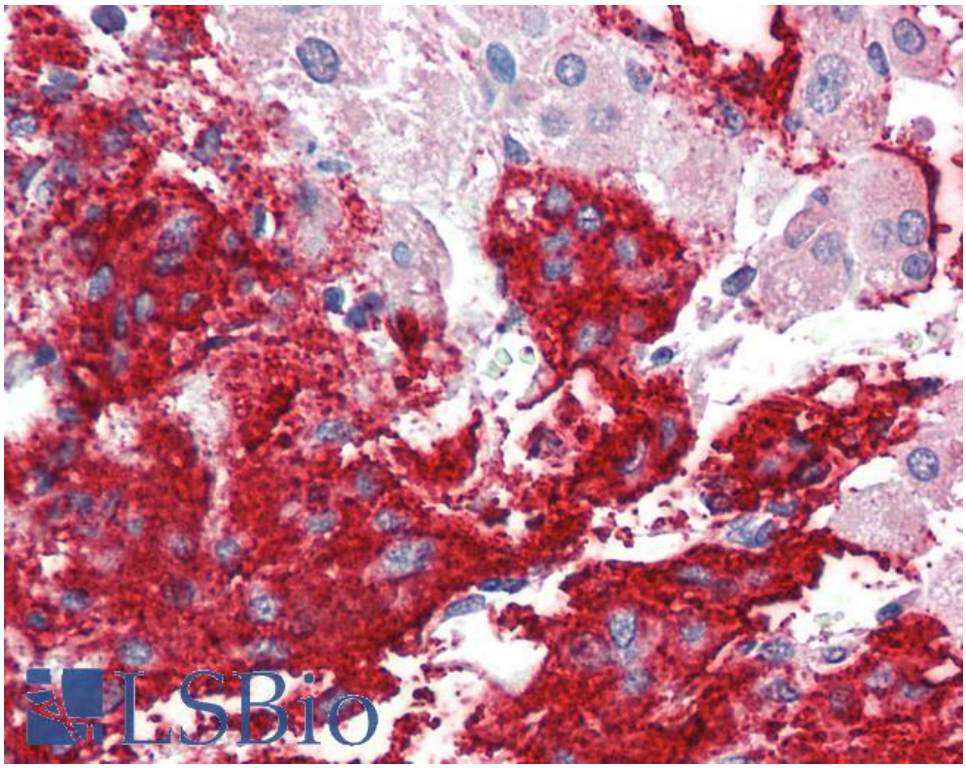
EB07663 (2µg/ml) staining of Human Pancrease lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



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.**