

Anti-Neuroigin-4 [N98/7R] Standard Size Ab02308-23.0

Variable region sequences were determined by Dr. James Trimmer at the University of California, Davis, as supported by National Institutes of Health BRAIN Initiative award U24 NS109113.

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rabbit IgG, Lambda

Clone Number: N98/7R

Alternative Name(s) of Target: Neuroigin 4-like; Nlgn4l; Neuroigin-4; NL-4; N98/7

UniProt Accession Number of Target Protein: B0F2B4

Published Application(s): ICC, WB

Published Species Reactivity: Mouse

Immunogen: This antibody was raised against a fusion protein of amino acids 782-945 of mouse Neuroigin-4*.

Specificity: This antibody is specific for neuroigin-4*. Neuroigin-4* is a cell surface protein involved in cell-cell-interactions. Plays a role in the formation or maintenance of synaptic junctions via its interactions (via the extracellular domains) with neurexin family members. Plays a role in synaptic signal transmission.

Application Notes: This antibody is recommended for detection and analysis of neuroigin-4 by immunocytochemistry and western blot. For instance, the mouse version of this antibody was used to detect neuroigin-4 by western blot in extracts of MBM and COS cells transiently transfected with Neuroigin-1 and Neuroigin-4 plasmids.

Antibody First Published in: Andrews et al. A toolbox of IgG subclass-switched recombinant monoclonal antibodies for enhanced multiplex immunolabeling of brain eLife. 2019; 8: e43322. [PMID:30667360](#)

Note on publication: Describes the generation of a library of recombinant monoclonal antibodies (R-mAbs) from a pool of mAb-producing hybridomas for neuroscience research.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.