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RABBIT ANTI-NEUROLIGIN 3
AFFNITY PURIFIED
POLYCLONAL ANTIBODY

CATALOG NUMBER: AB15514

LOT NUMBER:

QUANTITY: 50 μg

CONCENTRATION: 1 mg/mL

SPECIFICITY: Neuroligin 3 (NLGN3).

BACKGROUND: Neuroligins are Type I membrane proteins enriched in synaptic plasma membranes and clustered in synaptic clefts and postsynaptic densities. They have been characterized as neuronal cell surface proteins and are thought to be involved in cell-cell-interactions by forming intercellular junctions through binding to beta-neurexins. They play a major role in the formation or maintenance of synaptic junctions. They are also thought to be involved in the specification of excitatory synapses. Neuroligins interact with beta-neurexins and this interaction is involved in the formation of functional synapses.

IMMUNOGEN: Synthetic peptide near the C-terminus of human Neuroligin 3.

APPLICATIONS: Western blot: 1-10 μg/mL using ECL.
Immunohistochemistry: Not tested. It is recommended that the antibody be tried at 2-20 μg/mL
ELISA: 1:10,000-1:100,000 using 50-100 ng of control peptide/well.
Optimal working dilutions must be determined by end user.

SPECIES REACTIVITIES: Human. Other species have not yet been tested. The immunogen sequence is 94% conserved in rat and mouse.

FORMAT: Affinity purified immunoglobulin.

PRESENTATION: Liquid in PBS with 0.1% BSA and 0.05% sodium azide.

STORAGE/HANDLING: Maintain at -20°C in undiluted aliquots for up to 6 months after date of receipt. Avoid repeated freeze/thaw cycles.

RELATED REFERENCE: 1) Nagase, T., et al., *DNA Res.* (2000) **7**:65-73.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

For research use only; not for use as a diagnostic.

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