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PRODUCT DATASHEET

# Anti-Neuroligin-1 Antibody (BSA and Azide free)

NeuroMab KO Validated

## Product Details

| | |
|---|---|
| **Available Variants** | 100 µL (SKU:75-160-CF) |
| **Conjugate** | Unconjugated |
| **Isotype** | IgG1 |
| **Clone** | N97A/31 |
| **Gene Name** | Nlgn1 |
| **Host Species** | Mouse |
| **Concentration** | Lot dependent: provided at 0.6-1.0 mg/mL |
| **Format** | Purified by Protein A chromatography |
| **Physical State** | Liquid |
| **Buffer** | PBS |
| **Production Notes** | Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and buffer exchanged into 1X PBS. Purified mAbs are >90% specific antibody. |
| **Applications** | ELISA, ICC, IHC, WB |
| **Species Reactivity** | Chicken, Mouse, Rat |
| **Immunogen** | Fusion protein amino acids 718-843 (intracellular C-terminus) of rat Neuroligin-1 (accession number NP_446320) produced recombinantly in E. Coli |
| **Specificity** | Does not cross-react with Neuroligin-2, -3, -4 or -4* |
| **Molecular Weight** | 120 kDa |
| **Quality Control** | Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band. |
| **Storage** | Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to |

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| | removing the cap. |
| **UniProt ID** | Q62765<br>UniProt Summary: Cell surface protein involved in cell-cell-interactions via its interactions with neurexin family members. Plays a role in synapse function and synaptic signal transmission, and probably mediates its effects by recruiting and clustering other synaptic proteins. May promote the initial formation of synapses, but is not essential for this. In vitro, triggers the de novo formation of presynaptic structures. May be involved in specification of excitatory synapses. Required to maintain wakefulness quality and normal synchrony of cerebral cortex activity during wakefulness and sleep. The protein is involved in nervous system development. |
| **Country of Origin** | United States |
| **Shipping** | Shipped on ice packs |
| **Expiration** | 12 months from date of receipt |
| **Usage Statement** | These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans. |
| **NCBI Gene ID** | 116647 |

## Product Images




Anti-Neuroligin-1 Antibody (BSA and Azide free)