

Product datasheet for **AM60051PU-N**

Neuroigin 4 (782-945, Intracell. Dom.) Mouse Monoclonal Antibody [Clone ID: S98-7]

Product data:

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|-----------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | S98-7 |
| Applications: | IF, WB |
| Recommended Dilution: | Western blot: 1/1000; 1 µg/ml was sufficient for detection of Neuroigin-4 in 20 µg of mouse brain lysate by colorimetric immunoblot analysis using HRP conjugated secondary antibody. Immunocytochemistry. |
| Reactivity: | Mouse |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Fusion protein amino acids 782-945 (intracellular, C-terminus) of mouse Neuroigin 4. |
| Specificity: | This antibody detects Neuroigin 4; ~125-130 kDa. (~45% identity with Neuroigin-1, -2 and -3) |
| Formulation: | PBS pH 7.4, 50% Glycerol, 0.09% Sodium azide State: Purified State: Liquid purified IgG fraction |
| Concentration: | lot specific |
| Purification: | Protein G chromatography |
| Conjugation: | Unconjugated |
| Storage: | Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: One year from despatch. |
| Database Link: | B0F2B4 |



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Background: The Nlgn4l gene encodes a member of a family of neuronal cell surface proteins. Members of this family may act as splice site-specific ligands for beta-neurexins and may be involved in the formation and remodeling of central nervous system synapses. The encoded protein interacts with discs, large (Drosophila) homolog 4 (DLG4). Mutations in this gene have been associated with autism and Asperger syndrome. Two transcript variants encoding the same protein have been identified for this gene.

Synonyms: Neuroigin-4*, Neuroigin 4-like, NL-4, Nlgn4l, Nlgn4, Nlgn4x