

## Product datasheet for **AM60053PU-N**

### **Nlgn3 (730-848, Intracell. Dom.) Mouse Monoclonal Antibody [Clone ID: S110-29]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	S110-29
Applications:	IF, IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1/1000; 1 µg/ml was sufficient for detection of Neuroligin-3 in 20 µg of rat brain lysate by colorimetric immunoblot analysis using HRP conjugated secondary antibody. <b>Immunocytochemistry.</b> <b>Immunohistochemistry:</b> Free floating sections, fixed in formaldehyde.
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 730-848 (intracellular, C-terminus) of rat Neuroligin 3.
Specificity:	This antibody detects Neuroligin 3; ~110 kDa. Does not cross-react with Neuroligin-1, -2 or -4.
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.
Gene Name:	neuroligin 3
Database Link:	<a href="#">Entrez Gene 171297 Rat Q62889</a>



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**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.

**Synonyms:**

NLGN3, KIAA1480, NL3