

Product datasheet for **AM60061PU-N**

Nlgn1 (718-843, Cytopl. Dom.) Mouse Monoclonal Antibody [Clone ID: S97A-31]

Product data:

Product Type:	Primary Antibodies
Clone Name:	S97A-31
Applications:	IF, IHC, WB
Recommended Dilution:	Western blot: 1/1000; 2 µg/ml was sufficient for detection of Neuroligin-1 in 20 µg of rat brain lysate by colorimetric immunoblot analysis using HRP conjugated secondary antibody. Immunocytochemistry. Immunohistochemistry: Free floating sections, fixed in formaldehyde.
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 718-843 (Cytoplasmic, C-terminus) of rat Neuroligin-1
Specificity:	This antibody detects Neuroligin 1; ~120 kDa. Does not cross-react with other Neuroligins.
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 1
Database Link:	Entrez Gene 116647 Rat Q62765



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Background:

Neuroigin-1 is a neuronal cell surface protein belonging to the type-B carboxylesterase/lipase family. It is a necessary component in the maturation of excitatory synapses for their normal, functional development, and is necessary to the regulation of synaptic plasticity and the development of long-term memory within the adult amygdala in mammals. It is believed to participate in cell-cell-interaction through the assembly of intracellular junction by the binding of beta-neurexins, and may also be a factor in the maintenance and assembly of synaptic junctions. It is also thought to have involvement in excitatory synaptic specification. Within brain tissue, Neuroigin-1 is primarily observed in neurons and spinal cord.

Synonyms:

NLGN1, KIAA1070, Neuroigin 1