

## Anti-Neuroigin-3/NLGN3 Antibody (7G459)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	7G459
Purification:	Protein A

## Applications

Verified Activity:	Flow cytometric analysis of Human NLGN3 expression on U2OS cells. Cells were stained with purified anti-Human NLGN3, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.
Application:	FCM
Recommended	FCM: 1:25-1:100

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human Neuroigin 3 / NLGN3 Protein (TMPY-01842)
Antigen Species:	Human
Synonyms:	HNL3;neuroigin 3

## Research Background

Neuroigin 3 (NLGN3) is a member of the type-B carboxylesterase/lipase family. Neuroigins (NLGNs) are a family of presumptive postsynaptic cell adhesion molecules. Neuroigins (NLS) constitute a family of cell-surface proteins that interact with neurexins (beta-Nxs), another class of neuronal cell-surface proteins, one of each class functioning together in synapse formation. Neuroigins control the formation and functional balance of excitatory and inhibitory synapses in hippocampal neurons. NLGN1 and NLGN2 isoforms are concentrated at glutamatergic and GABAergic synapses, respectively, but the cellular expression and synaptic localization of the endogenous. NLGN3 was enriched in the brain, where NLGN3 protein levels increased during postnatal development, coinciding with the peak of synaptogenesis. The NLGN3 is a synaptic adhesion molecule that is a shared component of glutamatergic and GABAergic synapses. Mutations in the NLGN3 gene may be associated with autism and Asperger syndrome.

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