

## ARG22289 anti-Neuroigin 3 antibody [S110-29]

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [S110-29] recognizes Neuroigin 3
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Specificity	Detects ~110kDa. Does not cross-react with Neuroigin-1, -2, -4 or -4.
Host	Mouse
Clonality	Monoclonal
Clone	S110-29
Isotype	IgG1
Target Name	Neuroigin 3
Species	Rat
Immunogen	Fusion protein around aa. 730-848 (intracellular C-terminus) of Rat Neuroigin 3. Mouse: 99% identity (118/119 around aa. identical). Human: 98% identity (116/119 around aa. identical); ~60% identity with Neuroigin 1; ~40% identity with Neuroigin-2.
Conjugation	Un-conjugated
Alternate Names	Glilotactin homolog; Neuroigin-3; HNL3

### Application Instructions

Application table	Application	Dilution
	ICC/IF	Assay-dependent
	IHC-P	Assay-dependent
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

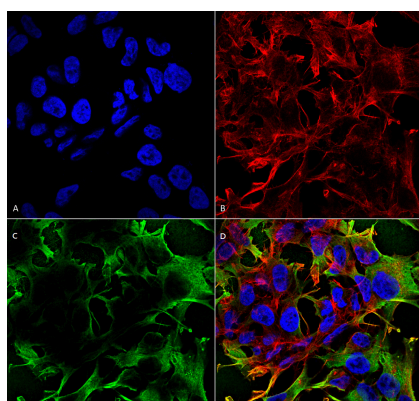
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.1% Sodium azide and 50% Glycerol
Preservative	0.1% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

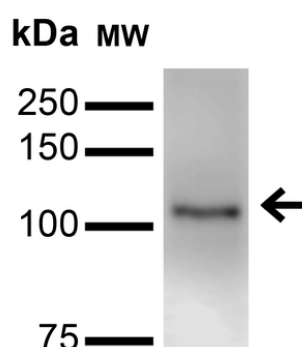
Gene Symbol	NLGN3
Gene Full Name	neuroligin 3
Background	This gene encodes a member of a family of neuronal cell surface proteins. Members of this family may act as splice site-specific ligands for beta-neurexins and may be involved in the formation and remodeling of central nervous system synapses. Mutations in this gene may be associated with autism and Asperger syndrome. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Oct 2009]
Function	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 may mediate its effects by clustering other synaptic proteins. May promote the initial formation of synapses, but is not essential for this. May also play a role in glia-glia or glia-neuron interactions in the developing peripheral nervous system (By similarity). [UniProt]
Calculated Mw	94 kDa
Cellular Localization	Cell Junction, Cell membrane, Synapse

## Images



ARG22289 anti-Neuroligin 3 antibody [S110-29] ICC/IF image

Immunofluorescence: Human Neuroblastoma cell line SK-N-BE. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: ARG22289 anti-Neuroligin 3 antibody [S110-29] at 1:100 for 60 min at RT. Secondary Antibody: Goat anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) ARG22289 anti-Neuroligin 3 antibody [S110-29] (D) Composite.



ARG22289 anti-Neuroligin 3 antibody [S110-29] WB image

Western blot: 15 µg of Mouse Brain Membrane. Block: 2% BSA and 2% Skim Milk in 1X TBST. Primary Antibody: ARG22289 anti-Neuroligin 3 antibody [S110-29] at 1:200 for 16 hours at 4°C. Secondary Antibody: Goat anti-Mouse IgG: HRP at 1:1000 for 1 hour RT. Color Development: ECL solution for 6 min in RT.