

Neurologin 1 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2449a**Specification**

Neurologin 1 Antibody (internal region) - Product Information

Application	E
Primary Accession	Q8N2Q7
Other Accession	NP_055747.1 , 22871
Predicted	Human, Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	96368

Neurologin 1 Antibody (internal region) - Additional Information**Gene ID** 22871**Other Names**

Neurologin-1, NLGN1, KIAA1070

Dilution

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Neurologin 1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Neurologin 1 Antibody (internal region) - Protein Information**Name** NLGN1**Synonyms** KIAA1070**Function**

Cell surface protein involved in cell-cell-interactions via its interactions with neuroligin family members. Plays a role in synapse function and synaptic signal transmission, and probably mediates its effects by recruiting and clustering other synaptic proteins. May promote the initial

formation of synapses, but is not essential for this. In vitro, triggers the de novo formation of presynaptic structures. May be involved in specification of excitatory synapses. Required to maintain wakefulness quality and normal synchrony of cerebral cortex activity during wakefulness and sleep (By similarity). The protein is involved in nervous system development.

Cellular Location

Cell membrane; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q62765} Postsynaptic density {ECO:0000250|UniProtKB:Q62765}. Synaptic cleft {ECO:0000250|UniProtKB:Q62765}. Synaptic cell membrane {ECO:0000250|UniProtKB:Q62765}. Note=Enriched in synaptic plasma membranes and clustered in synaptic clefts and postsynaptic densities Colocalized with DLG4/PSD-95 and GRIN1/NMDAR1 {ECO:0000250|UniProtKB:Q62765}

Tissue Location

Expressed in the blood vessel walls (at protein level). Highly expressed in brain through prenatal stages, and at lower levels in pancreas islet beta cells.

Neurologin 1 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Neurologin 1 Antibody (internal region) - Images**Neurologin 1 Antibody (internal region) - References**

Control of Excitatory and Inhibitory Synapse Formation by Neuroligins. Chih B, Engelman H, Scheiffele P. Science. 2005 Jan 27; [Epub ahead of print] PMID: 15681343