

Anti-Neuroigin 1 Antibody
Catalog # AP53827**Specification**

Anti-Neuroigin 1 Antibody - Product Information

Application	WB
Primary Accession	Q8N2Q7
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	96368

Anti-Neuroigin 1 Antibody - Additional Information**Gene ID** 22871**Other Names**

KIAA1070; Neuroigin-1

Target/Specificity

Recognizes endogenous levels of Neuroigin 1 protein.

Dilution

WB~~1/500 - 1/1000

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Anti-Neuroigin 1 Antibody - Protein Information**Name** NLGN1**Synonyms** KIAA1070**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 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

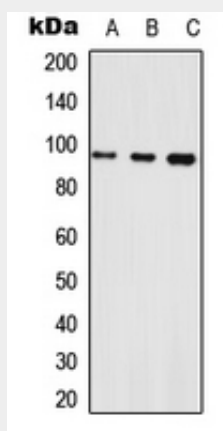
Expressed in the blood vessel walls (at protein level). Highly expressed in brain through prenatal stages, and at lower levels in pancreas islet beta cells.

Anti-Neuroigin 1 Antibody - 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](#)

Anti-Neuroigin 1 Antibody - Images



Western blot analysis of Neuroigin 1 expression in HEK293T (A), Raw264.7 (B), PC12 (C) whole cell lysates.

Anti-Neuroigin 1 Antibody - Background

Rabbit polyclonal antibody to Neuroigin 1