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# Datasheet for ABIN7161216 anti-Neurexin 1 antibody (AA 31-310)

I Image



Overview

Quantity:	100 µL
Target:	Neurexin 1 (NRXN1)
Binding Specificity:	AA 31-310
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Neurexin 1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

#### Product Details

Immunogen:	Recombinant Human Neurexin-1 protein (31-310AA)
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

# Target Details

Target:	Neurexin 1 (NRXN1)
Alternative Name:	NRXN1 (NRXN1 Products)
Background:	Background: Cell surface protein involved in cell-cell-interactions, exocytosis of secretory
	granules and regulation of signal transmission. Function is isoform-specific. Alpha-type

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	isoforms have a long N-terminus with six laminin G-like domains and play an important role in
	synaptic signal transmission. Alpha-type isoforms play a role in the regulation of calcium
	channel activity and Ca(2+)-triggered neurotransmitter release at synapses and at
	neuromuscular junctions. They play an important role in Ca(2+)-triggered exocytosis of
	secretory granules in pituitary gland. They may effect their functions at synapses and in
	endocrine cells via their interactions with proteins from the exocytotic machinery. Likewise,
	alpha-type isoforms play a role in regulating the activity of postsynaptic NMDA receptors, a
	subtype of glutamate-gated ion channels. Both alpha-type and beta-type isoforms may play a
	role in the formation or maintenance of synaptic junctions via their calcium-dependent
	interactions (via the extracellular domains) with neuroligin family members, CBLN1 or CBLN2.
	In vitro, triggers the de novo formation of presynaptic structures. May be involved in
	specification of excitatory synapses. Alpha-type isoforms were first identified as receptors for
	alpha-latrotoxin from spider venom (By similarity).
	Aliases: DKFZp313P2036 antibody, FLJ35941 antibody, Hs.22998 antibody, KIAA0578
	antibody, Neurexin 1 alpha antibody, Neurexin 1 beta antibody, Neurexin I-alpha antibody,
	Neurexin-1 antibody, Neurexin-1-alpha antibody, NRX1A_HUMAN antibody, NRXN1 antibody,
	PTHSL2 antibody, SCZD17 antibody
iProt:	Q9ULB1

 UniProt:
 Q9ULB1

 Pathways:
 Synaptic Membrane, Skeletal Muscle Fiber Development

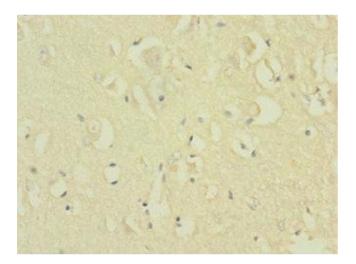
## Application Details

Application Notes:	Recommended dilution: IHC:1:20-1:200,
Restrictions:	For Research Use only

### Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

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#### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human brain tissue using ABIN7161216 at dilution of 1:100

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