

Datasheet for ABIN1424835
anti-Neurexin 2 (NRXN2) antibody (PE)



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Overview

Quantity:	100 µL
Target:	Neurexin 2 (NRXN2)
Reactivity:	Rat, Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	PE

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Neurexin 2
Isotype:	IgG
Purification:	Purified by Protein A.

Target Details

Target:	Neurexin 2 (NRXN2)
Alternative Name:	Neurexin 2 (NRXN2 Products)
Background:	Neurexins comprise a family of neuronal cell surface proteins, which include neurexin I (NRXN1), neurexin II (NRXN2), neurexin III (NRXN3) and Caspr (neurexin IV). Neurexins I-III are expressed as a and b isoforms. The a isoforms are made of three cassettes, which contain two LNS (Laminin A, Neurexins, Sex hormone-binding)-domains separated by EGF domains, followed by a transmembrane region and a 55 amino acid cytoplasmic C-terminal. The a isoforms bind to neurexophilins at the second LNS site and to the excitatory neurotoxin a-

Target Details

latrotoxin. The b isoforms have only one LNS-domain, bind to neuroligins, and play a role in the formation and remodeling of synapses. Caspr (for Contactin-Associated Protein 1, also designated Paranodin in mouse), contains an extracellular domain similar to the other three neurexins, and binds to the surface glycoprotein Contactin. Caspr and the closely related Caspr2, a mammalian homolog of Drosophila Neurexin IV (Nrx-IV), demarcate distinct subdomains in myelinated axons. Specifically, Caspr exists at the paranodal junctions, while Caspr2 colocalizes with Shaker-like K⁺ channels in the juxtaparanodal region. Caspr may play a role in the communication of glial cells and neurons during development.

Subcellular location: Extracellular

Synonyms: Neurexin 2, Neurexin-2, Neurexin2, Neurexin II, Neurexin II alpha, NRXN 2, NRXN-2, NRXN2, NRX2A_HUMAN.

Pathways: [Synaptic Membrane](#)

Application Details

Comment: Excitation/Emission: 480,565nm/578nm

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 100 µg/mL BSA, 50 % glycerol and 0.09 % sodium azide.

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

Storage Comment: Store at 4°C

Expiry Date: 12 months