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Datasheet for ABIN1386414

anti-Neurexin 2 (NRXN2) (AA 971-1070) antibody

Overview

Quantity:	100 µL
Target:	Neurexin 2 (NRXN2)
Binding Specificity:	AA 971-1070
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NRXN2
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human, Mouse, Dog, Cow, Sheep, Pig, Horse
Purification:	Purified by Protein A.

Target Details

Target:	Neurexin 2 (NRXN2)
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Target Details

Alternative Name:	Neurexin 2 (NRXN2 Products)
Background:	<p>Synonyms: Neurexin 2, Neurexin-2, Neurexin2, Neurexin II, Neurexin II alpha, NRXN 2, NRXN-2, NRXN2, NRX2A_HUMAN.</p> <p>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 α-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.</p>
UniProt:	Q9P2S2
Pathways:	Synaptic Membrane

Application Details

Application Notes:	ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μ g/ μ L

Handling

Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months