Neurexin 2 Antibody HRP Conjugated

Catalog No: #C00952H

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Description

Product Name	Neurexin 2 Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	WB,,IHC-P,IHC-F,ICC
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human Neurexin 2
Conjugates	HRP
Target Name	Neurexin 2
Other Names	Neurexin 2; Neurexin-2; Neurexin2; Neurexin II; Neurexin II alpha; NRXN 2; NRXN-2; NRXN2; NRX2A_HUMAN.
Excitation Emission	N A
Cell Localization	Extracellular
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

WB=1:500-2000 IHC-P=1:50-200 IHC-F=1:50-200 ICC=1:50-200

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-latrotoxin. The b isoforms have only one LNS-domain, bind to neuroligins, and play a role in the formation and remodeling of synapes. 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.

Note: This product is for in vitro research use only