Datasheet for ABIN571798

anti-Contactin 1 antibody (AA 100-150)

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Overview

Quantity:	500 µg
Target:	Contactin 1 (CNTN1)
Binding Specificity:	AA 100-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Contactin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Rabbit antibody to Contactin 1
Immunogen:	A synthetic peptide from AA 100-150 of human contactin 1 conjugated to an immunogenic carrier protein was used as the antigen.
Isotype:	IgG
Specificity:	Specific for contactin-1.
Cross-Reactivity:	Human, Rat
Cross-Reactivity (Details):	Other species not yet tested.
Purification:	IgG

Target Details

Target:	Contactin 1 (CNTN1)
Alternative Name:	Contactin 1 (CNTN1 Products)
Background:	FUNCTION: Contactins mediate cell surface interactions during nervous system development. Involved in the formation of paranodal axo-glial junctions in myelinated peripheral nerves and in the signaling between axons and myelinating glial cells via its association with CNTNAP1. Participates in oligodendrocytes generation by acting as a ligand of NOTCH1. Its association with NOTCH1 promotes NOTCH1 activation through the released notch intracellular domain (NICD) and subsequent translocation to the nucleus. Interaction with TNR induces a repulsion of neurons and an inhibition of neurite outgrowth. SUBUNIT: Monomer. Interacts with CNTNAP1 in cis form. Binds to the carbonic-anhydrase like domain of protein-tyrosine phosphatase zeta. Interacts with NOTCH1 and TNR. SUBCELLULAR LOCATION: Cell membrane, Lipid-anchor GPI-anchor. MISCELLANEOUS: F3 shares with L1 N-CAM MAG and other cell adhesion molecules from nervous tissue the L2/HNK-1 carbohydrate epitope. TISSUE SPECIFICITY: Strongly expressed in brain and in neuroblastoma and retinoblastoma cell lines. Lower levels of expression in lung pancreas kidney and skeletal muscle.
UniProt:	Q12860

Application Details

Application Notes:	IHC WB. A concentration of 10-50,micro,g,ml is recommended. The optimal concentration should be determined by the end user. Not yet tested in other applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in 500 µl of sterile water. Centrifuge to remove any insoluble material.
Handling Advice:	Avoid freeze and thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.
Expiry Date:	12 months