Datasheet for ABIN350252

anti-Contactin 5 antibody

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Overview

Quantity:	100 µL
Target:	Contactin 5 (CNTN5)
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Contactin 5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide from rat Contactin5 conjugated to blue carrier protein was used as the antigen.
Specificity:	Specific for Contactin5.
Cross-Reactivity:	Rat
Cross-Reactivity (Details):	Other species not yet tested.
Purification:	Whole serum

Target Details

Target:	Contactin 5 (CNTN5)
Alternative Name:	Contactin 5 (CNTN5 Products)
Background:	The protein encoded by this gene is a member of the immunoglobulin superfamily. It is a

Target Details

	glycosylphosphatidylinositol (GPI)-anchored neuronal membrane protein that functions as a cell adhesion molecule. It may play a role in the formation of axon connections in the developing nervous system. Two alternatively spliced transcript variants encoding different isoforms have been described for this gene. FUNCTION: Contactins mediate cell surface interactions during nervous system development. Has some neurite outgrowth-promoting activity in the cerebral cortical neurons but not in hippocampal neurons. Probably involved in neuronal activity in the auditory system. SUBCELLULAR LOCATION: Cell membrane, Lipid-anchor, GPI-anchor. TISSUE SPECIFICITY: Specifically expressed in the nervous system. Expressed in cerebrum and cerebellum but at low level in spinal chord. In brain, it is expressed in highly restricted regions at postnatal day 7, such as the auditory pathway, including the cochlear nucleus, superior olive, inferior colliculus, medial geniculate nucleus and auditory cortex. Expressed in the accessory olfactory bulb, glomerular and mitral cell layers in the olfactory bulb, anterior thalamic nuclei, layers II-IV of the cerebral cortex, dentate gyrus of the hippocampus and external granule cells and Purkinje cells of the cerebellum. Also expressed in the piriform cortex, inferior olive and facial nucleus. Weakly or not expressed in other parts of the brain. DEVELOPMENTAL STAGE: Expressed after birth, reaching a maximum at postnatal day 14 in the cerebrum and postnatal day 3 in the cerebellum. Then, it decreases abruptly thereafter (at protein level).,Contactin Family,NB-2, contactin 5, CNTN5, Neural recognition molecule NB-2
UniProt:	P97527
Pathways:	Sensory Perception of Sound

Application Details

Application Notes:	IHC, WB. A dilution of 1 : 1000 is recommended. The optimal dilution should be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in 100 µL of sterile water. Centrifuge to remove any insoluble material.
Handling Advice:	Avoid freeze and thaw cycles.
Storage:	4 °C/-20 °C

Handling

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

