

CNTNAP4 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17276b

Product Information

Application	WB, E
Primary Accession	Q9C0A0
Other Accession	NP_207837.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37305
Calculated MW	145274
Antigen Region	1204-1231

Additional Information

Gene ID	85445
Other Names	Contactin-associated protein-like 4, Cell recognition molecule Caspr4, CNTNAP4, CASPR4, KIAA1763
Target/Specificity	This CNTNAP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1204-1231 amino acids from the C-terminal region of human CNTNAP4.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CNTNAP4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CNTNAP4
Synonyms	CASPR4, KIAA1763
Function	Presynaptic protein involved in both dopaminergic synaptic transmission

and GABAergic system, thereby participating in the structural maturation of inhibitory interneuron synapses. Involved in the dopaminergic synaptic transmission by attenuating dopamine release through a presynaptic mechanism. Also participates in the GABAergic system (By similarity).

Cellular Location

Presynaptic cell membrane {ECO:0000250|UniProtKB:Q99P47}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q99P47}.
Note=Specifically present within the presynaptic compartment of synapses. {ECO:0000250|UniProtKB:Q99P47}

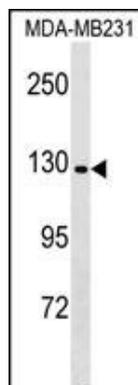
Background

This gene product belongs to the neurexin family, members of which function in the vertebrate nervous system as cell adhesion molecules and receptors. This protein, like other neurexin proteins, contains epidermal growth factor repeats and laminin G domains. In addition, it includes an F5/8 type C domain, discoidin/neuropilin- and fibrinogen-like domains, and thrombospondin N-terminal-like domains. Alternative splicing results in two transcript variants encoding different isoforms.

References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
Dastani, Z., et al. Eur. J. Hum. Genet. 18(3):342-347(2010)
Lasky-Su, J., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 147B (8), 1345-1354 (2008) :
Nordgard, S.H., et al. Genes Chromosomes Cancer 47(8):680-696(2008)
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Images



CNTNAP4 Antibody (C-term) (Cat. #AP17276b) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the CNTNAP4 antibody detected the CNTNAP4 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.