10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CNTNAP4 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP17137b

Specification

CNTNAP4 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9C0A0

CNTNAP4 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 85445

Other Names
Contactin-associated protein-like 4, Cell recognition molecule Caspr4, CNTNAP4, CASPR4, KIAA1763

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CNTNAP4 Antibody (C-term) Blocking Peptide - 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}

CNTNAP4 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

CNTNAP4 Antibody (C-term) Blocking Peptide - Images

CNTNAP4 Antibody (C-term) Blocking Peptide - Background

This gene product belongs to the neurexin family, membersof which function in the vertebrate nervous system as cell adhesionmolecules and receptors. This protein, like other neurexinproteins, contains epidermal growth factor repeats and laminin Gdomains. In addition, it includes an F5/8 type C domain,discoidin/neuropilin- and fibrinogen-like domains, andthrombospondin N-terminal-like domains. Alternative splicingresults in two transcript variants encoding different isoforms.

CNTNAP4 Antibody (C-term) Blocking Peptide - 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)Kim, J.M., et al. DNA Res. 13(6):275-286(2006)