

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, 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.

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)