

**CNTNAP4 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17276b****Specification**

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**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)