

**CNTNAP4 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17276b****Specification**

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**CNTNAP4 Antibody (C-term) - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | WB,E                        |
| Primary Accession | <a href="#">O9C0A0</a>      |
| Other Accession   | <a href="#">NP_207837.2</a> |
| Reactivity        | Human                       |
| Host              | Rabbit                      |
| Clonality         | Polyclonal                  |
| Isotype           | Rabbit IgG                  |
| Calculated MW     | 145274                      |
| Antigen Region    | 1204-1231                   |

**CNTNAP4 Antibody (C-term) - 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.

**CNTNAP4 Antibody (C-term) - 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).

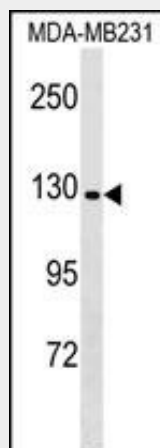
**Cellular Location**

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) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CNTNAP4 Antibody (C-term) - 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).

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