

CNTN1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9490c**Specification****CNTN1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q12860](#)**CNTN1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 1272**Other Names**

Contactin-1, Glycoprotein gp135, Neural cell surface protein F3, CNTN1

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.

CNTN1 Antibody (Center) Blocking Peptide - Protein Information**Name** CNTN1**Function**

Contactins mediate cell surface interactions during nervous system development. Involved in the formation of paranodal axo-glial junctions in myelinated peripheral nerves and in the signaling between axons and myelinating glial cells via its association with CNTNAP1. Participates in oligodendrocytes generation by acting as a ligand of NOTCH1. Its association with NOTCH1 promotes NOTCH1 activation

CNTN1 Antibody (Center) Blocking Peptide - Background

CNTN1 is a member of the immunoglobulin superfamily. It is a glycosylphosphatidylinositol (GPI)-anchored neuronal membrane protein that functions as a cell adhesion molecule. It may play a role in the formation of axon connections in the developing nervous system.

CNTN1 Antibody (Center) Blocking Peptide - References

Gratacos, M., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (6), 808-816 (2009) :Compton, A.G., et al. Am. J. Hum. Genet. 83(6):714-724(2008)Melzer, D., et al. PLoS Genet. 4 (5), E1000072 (2008)

through the released notch intracellular domain (NICD) and subsequent translocation to the nucleus. Interaction with TNR induces a repulsion of neurons and an inhibition of neurite outgrowth (By similarity).

Cellular Location

[Isoform 1]: Cell membrane; Lipid-anchor, GPI- anchor; Extracellular side

Tissue Location

Strongly expressed in brain and in neuroblastoma and retinoblastoma cell lines. Lower levels of expression in lung, pancreas, kidney and skeletal muscle.

**CNTN1 Antibody (Center) Blocking Peptide
- Protocols**

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

- [Blocking Peptides](#)