

CNTN1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9490c**Specification**

CNTN1 Antibody (Center) Blocking Peptide - Product InformationPrimary 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 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](#)

CNTN1 Antibody (Center) Blocking Peptide - Images

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)