

**CNTN1 / gp135 / Contactin 1 Antibody (aa313-324)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS16152****Specification**

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**CNTN1 / gp135 / Contactin 1 Antibody (aa313-324) - Product Information**

Application	WB
Primary Accession	<a href="#">Q12860</a>
Reactivity	Human, Mouse, Rat, Monkey, Pig, Guinea Pig
Host	Goat
Clonality	Polyclonal
Calculated MW	113kDa KDa

**CNTN1 / gp135 / Contactin 1 Antibody (aa313-324) - Additional Information****Gene ID** 1272**Other Names**

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

**Target/Specificity**

Human CNTN1 / gp135 / Contactin 1. This antibody is expected to recognize all reported isoforms (NP\_001834.2; NP\_778203.1; NP\_001242992.1). Reported variants represent identical protein: NP\_001242993.1, NP\_001242992.1.

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

CNTN1 / gp135 / Contactin 1 Antibody (aa313-324) is for research use only and not for use in diagnostic or therapeutic procedures.

**CNTN1 / gp135 / Contactin 1 Antibody (aa313-324) - 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 / gp135 / Contactin 1 Antibody (aa313-324) - 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](#)

**CNTN1 / gp135 / Contactin 1 Antibody (aa313-324) - Images**

CNTN1 antibody (0.3 ug/ml) staining of Human Cerebellum (A), Mouse Brain (B) and Rat Brain (C)...

**CNTN1 / gp135 / Contactin 1 Antibody (aa313-324) - Background**

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).

**CNTN1 / gp135 / Contactin 1 Antibody (aa313-324) - References**

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Berglund E.O., et al. Genomics 21:571-582(1994).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Berglund E., et al. Eur. J. Biochem. 197:549-554(1991).  
Liu T., et al. J. Proteome Res. 4:2070-2080(2005).