

**ARG42087**  
**anti-CNTN1 / Contactin 1 antibody**Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes CNTN1 / Contactin 1
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CNTN1 / Contactin 1
Species	Human
Immunogen	Synthetic peptide within aa. 250-350 of Human CNTN1 (NP_778203.1).
Conjugation	Un-conjugated
Alternate Names	Contactin-1; F3; Glycoprotein gp135; GP135; Neural cell surface protein F3; MYPCN

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse brain	
Observed Size	130 kDa	
Assay Time	Q12860	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note**

For laboratory research only, not for drug, diagnostic or other use.

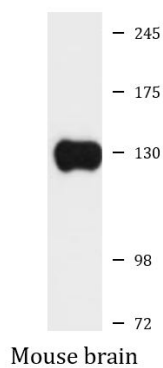
## Bioinformation

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Gene Symbol	CNTN1
Gene Full Name	contactin 1
Background	The protein encoded by this gene 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. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]
Function	Contactins mediate cell surface interactions during nervous system development. Involved in the formation of paranodal axo-glia 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). [UniProt]
Calculated Mw	113 kDa
Cellular Localization	Isoform 1: Cell membrane; Lipid-anchor, GPI-anchor; Extracellular side. Isoform 2: Cell membrane; Lipid-anchor, GPI-anchor; Extracellular side. [UniProt]

## Images

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ARG42087 anti-CNTN1 / Contactin 1 antibody WB image

Western blot: 25 µg of Mouse brain lysate stained with ARG42087 anti-CNTN1 / Contactin 1 antibody at 1:1000 dilution.