

ARG59753
anti-CNTN4 antibodyPackage: 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes CNTN4
Tested Reactivity	Ms
Predict Reactivity	Hu, Rat, Dog
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	CNTN4
Species	Mouse
Immunogen	Synthetic peptide between aa. 160-172 of Mouse CNTN4. (NP_001103219.1; NP_766592.2. C-RRADGKPIARK)
Conjugation	Un-conjugated
Alternate Names	Brain-derived immunoglobulin superfamily protein 2; AXCAM; BIG-2; Contactin-4

Application Instructions

Application table	Application	Dilution
	WB	0.5 - 1.5 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 150 kDa	

Properties

Form	Liquid
Purification	Affinity purified
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
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 or below. 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.

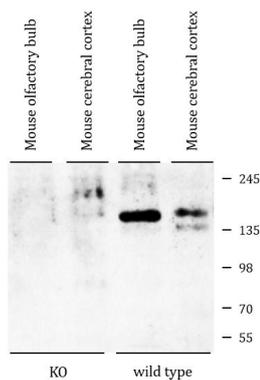
Note

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

Bioinformation

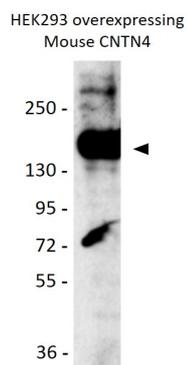
Gene Symbol	CNTN4
Gene Full Name	contactin 4
Background	This gene encodes a member of the contactin family of immunoglobulins. Contactins are axon-associated cell adhesion molecules that function in neuronal network formation and plasticity. The encoded protein is a glycosylphosphatidylinositol-anchored neuronal membrane protein that may play a role in the formation of axon connections in the developing nervous system. Deletion or mutation of this gene may play a role in 3p deletion syndrome and autism spectrum disorders. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2011]
Function	Contactins mediate cell surface interactions during nervous system development. Has some neurite outgrowth-promoting activity. May be involved in synaptogenesis. [UniProt]
Calculated Mw	113 kDa
Cellular Localization	Cell membrane; Lipid-anchor, GPI-anchor. Secreted. [UniProt]

Images



ARG59753 anti-CNTN4 antibody WB image

Western blot: 35 µg of Mouse olfactory bulb (Lane 1 and 3) and cerebral cortex (Lane 2 and 4), comparing wild type (Lane 3 and 4) with KO Mouse (Lane 1 and 2). The blots were stained with ARG59753 anti-CNTN4 antibody at 0.5 µg/ml dilution and incubated for 1 hour.



ARG59753 anti-CNTN4 antibody WB image

Western blot: HEK293 overexpressing Mouse CNTN4. 35 µg of cell lysate (in RIPA buffer) stained with ARG59753 anti-CNTN4 antibody at 0.5 µg/ml dilution and incubated at RT for 1 hour.