antibodies

Datasheet for ABIN5539513 anti-Contactin 4 antibody (AA 160-172)



Overview

Image

Quantity:	100 µg
Target:	Contactin 4 (CNTN4)
Binding Specificity:	AA 160-172
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Contactin 4 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Purpose:	Contactin 4 / Big-2 (mouse aa160-172)
Sequence:	RRADGKPIAR K
lsotype:	lgG
Specificity:	This antibody is expected to recognize both reported isoforms (NP_001103219.1, NP_766592.2). Reported variants represent identical protein: NP_766592.2, NP_001103221.1
Cross-Reactivity:	Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

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Target Details	
Target:	Contactin 4 (CNTN4)
Alternative Name:	Cntn4 (CNTN4 Products)
Background:	Cntn4, contactin 4, 9630050B05, Axcam, BIG-2, axonal-associated cell adhesion molecule, brain-derived immunoglobulin superfamily molecule, brain-derived immunoglobulin superfamily protein 2, contactin-4
Gene ID:	152330, 269784, 116658
NCBI Accession:	NP_001103219, NP_766592
Application Details	
Application Notes:	Western Blot: Approx 150 kDa band observed in Mouse Brain lysates and not in the same lysates from the KO mice (calculated MW of 113 kDa according to NP_001103219.1). Recommended concentration: 0.5-1.5 µg/mL. Peptide ELISA: antibody detection limit dilution 1:128000.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

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Western Blotting

Image 1. ABIN5539513 (0.5µg/ml) staining of Mouse Olfactory bulb (lanes1 and 3) and Cerebral cortex (lanes 2 and 4), comparing wildtype (lanes 3 and 4) with KO mice (lanes 1 and 2). The last lane contains a lysate of HEK293 overexpressing Mouse Cntn4 (lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence. Data obtained from Gerrald Lodewijk and Peter Burbach, Rudolf Magnus Institute, Utrecht, Netherlands.

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