

### **International Office**

#### **Everest Biotech Ltd**

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

**Customer Service:** 

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

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# EB11768 - Goat Anti-Contactin 4 / Big-2 (mouse aa160-172) Antibody

Size: 100µg specific antibody in 200µl



# **Target Protein**

**Principal Names:** 9630050B05, Axcam, axonal-associated cell adhesion molecule, BIG-2, brain-derived immunoglobulin superfamily molecule, brain-derived immunoglobulin superfamily protein 2, Cntn4, contactin 4, contactin-4

Official Symbol: Cntn4

Accession Number(s): NP\_001103219.1; NP\_766592.2

Human GenelD(s): 152330

Non-Human GenelD(s): 269784 (mouse), 116658 (rat)

**Important Comments:** 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

# **Immunogen**

Peptide with sequence C-RRADGKPIARK, from the internal region of the protein sequence according to NP\_001103219.1; NP\_766592.2.

Please note the peptide is available for sale.

# **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:128000.

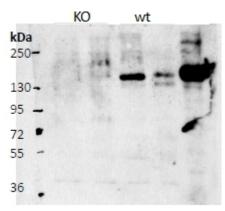
**Western blot:** Approx 150kDa band observed in Mouse Brain lysates and not in the same lysates from the KO mice (calculated MW of 113kDa according to NP\_001103219.1).

Recommended concentration: 0.5-1.5µg/ml.

### **Species Reactivity**

Tested: Mouse

Expected from sequence similarity: Human, Mouse, Rat, Dog



EB11768 (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.