UK Office

Everest Biotech Ltd
Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD
UK

Enquiries:
info@everestbiotech.com
Sales:
sales@everestbiotech.com
Tech support:
support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

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 GeneID(s): 152330
Non-Human GeneID(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.