

#### **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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# EB10847 - Goat Anti-Scn10a / Nav1.8 (mouse) Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

**Principal Names:** Scn10a, sodium channel, voltage-gated, type X, alpha subunit, Nav1.8, PN3, SNS, mPN3, peripheral nerve sodium channel 3, sodium channel protein type 10 subunit alpha, sodium channel protein type X subunit alpha

Official Symbol: Scn10a

Accession Number(s): NP\_033160.2

Human GeneID(s): 6336

Non-Human GenelD(s): 20264 (mouse), 29571 (rat)

#### **Immunogen**

Peptide with sequence C-DDNRSLQSDPYNQR, from the internal region of the protein sequence according to NP\_033160.2.

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 1:32000.

**Western blot:** Preliminary experiments gave an approx 150kDa band in Rat Spinal Cord and NIH3T3 lysates after 1μg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 220kDa according to NP\_033160.2. The 150kDa band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

### **Species Reactivity**

Tested:

Expected from sequence similarity: Mouse, Rat