



## UK Office

### Everest Biotech Ltd

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

Enquiries:

[info@everestbiotech.com](mailto:info@everestbiotech.com)

Sales:

[sales@everestbiotech.com](mailto:sales@everestbiotech.com)

Tech support:

[support@everestbiotech.com](mailto:support@everestbiotech.com)

Tel: +44 (0)1869 238326

[www.everestbiotech.com](http://www.everestbiotech.com)

**Research Use Only. Not for  
diagnostic or therapeutic use.**

## 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 GeneID(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