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

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