



## UK Office

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

## EB11107 - Goat Anti-Nav1.7 (aa1874-1887) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ETHA, FEB3B, hNE-Na, Nav1.7, NENA, NE-NA, neuroendocrine sodium channel, OTTHUMP00000204933, OTTHUMP00000204936, peripheral sodium channel 1, PN1, sodium channel protein type 9 subunit alpha, sodium channel protein type IX subunit alpha, sodium channel, voltage-gated, type IX, alpha polypeptide, sodium channel, voltage-gated, type IX, alpha subunit, voltage-gated sodium channel alpha subunit Nav1.7, voltage-gated sodium channel subunit alpha Nav1.7, SCN9A

**Official Symbol:** SCN9A

**Accession Number(s):** NP\_002968.1; NP\_001352465.1

**Human GeneID(s):** [6335](#)

**Non-Human GeneID(s):** 20274 (mouse), 78956 (rat)

### Immunogen

Peptide with sequence C-KRKQEDVSATVIQR, from the internal region (near C Terminus) of the protein sequence according to NP\_002968.1; NP\_001352465.1.

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 1:64000.

**Western blot:** Preliminary experiments gave an approx 80kDa band in Human Brain (Cerebellum), Mouse brain and Rat Ovary lysates after 0.1µg/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 225kDa according to NP\_002968.1. The 80kDa 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:** Human, Cow