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

## EB10844 - Goat Anti-SCN5A (aa1021-1034) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** SCN5A, sodium channel, voltage-gated, type V, alpha subunit, CDCD2, CMD1E, CMPD2, HB1, HB2, HBBD, HH1, IVF, LQT3, Nav1.5, PFHB1, SSS1, VF1, OTTHUMP00000209279

**Official Symbol:** SCN5A

**Accession Number(s):** NP\_932173.1; NP\_000326.2; NP\_001092874.1;  
NP\_001092875.1; NP\_001153632.1; NP\_001153633.1

**Human GeneID(s):** [6331](#)

**Important Comments:** This antibody is expected to recognize all reported isoforms (NP\_932173.1; NP\_000326.2; NP\_001092874.1; NP\_001092875.1; NP\_001153632.1; NP\_001153633.1).

### Immunogen

Peptide with sequence C-PTRKETRFEEGEQP, from the internal region of the protein sequence according to NP\_932173.1; NP\_000326.2; NP\_001092874.1;  
NP\_001092875.1; NP\_001153632.1; NP\_001153633.1.

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 1:16000.

**Western blot:** Preliminary experiments gave an approx 80kDa band in HeLa lysates after 0.3µg/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 227kDa according to NP\_932173.1. 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