

## UK Office

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

## EB06912 - Goat Anti-SCN5A Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** SCN5A, CDCD2, CMD1E, CMPD2, HB1, HB2, HBBD, ICCD, HH1, IVF, LQT3, SSS1, PFHB1, SSS1, sodium channel, voltage-gated, type V, alpha subunit, Nav1.5, sodium channel, voltage-gated, type V, alpha (long QT syndrome 3), cardiac sodium channel alpha subunit, sodium channel, voltage-gated, type V, alpha polypeptide (long (electrocardiographic) QT syndrome 3), VF1, cardiac tetrodotoxin-insensitive voltage-dependent sodium channel alpha subunit, sodium channel protein type V alpha subunit, voltage-gated sodium channel type V alpha

**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 GenelD(s):** [6331](#)

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

### Immunogen

Peptide with sequence C-ETDDQSPEKIN, 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 1:32000.

**Western blot:** Preliminary experiments in lysates of Human Breast and Heart tissues gave no specific signal but low background (at antibody concentration up to 1µg/ml).

**IHC:** Paraffin embedded Human Brain (Cortex). Recommended concentration: 10µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow

EB06912 (10µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.