



Goat anti-SCN5A Antibody

Item Number	dAP-0700
Target Molecule	Principle Name: SCN5A; Official Symbol: SCN5A; All Names and Symbols: SCN5A; CDCD2; CMD1E; CMPD2; HB1; HB2; HBBB; 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; sod; Accession Number (s): NP_932173.1; NP_000326.2; NP_001092874.1; NP_001092875.1; NP_001153632.1; NP_001153633.1; Human Gene ID(s): 6331; Non-
Immunogen	ETDDQSPEKIN, is from internal region This antibody is expected to recognise all reported isoforms (NP_932173.1; NP_000326.2; NP_001092874.1; NP_001092875.1).
Applications	Pep ELISA Species Tested:
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	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). We would appreciate any feedback from people in the field - have any results been repo
IHC	
Reference	Reference(s): Olson TM, Michels VV, Ballew JD, Reyna SP, Karst ML, Herron KJ, Horton SC, Rodeheffer RJ, Anderson JL. Sodium channel mutations and susceptibility to heart failure and atrial fibrillation. JAMA. 2005 Jan 26;293(4):447-54. .PMID: 15671429 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**