

Goat anti-Nav1.7 (aa1874-1887) Antibody

Item Number	dAP-2483
Target Molecule	Principle Name: Nav1.7 (aa1874-1887); Official Symbol: SCN9A; All Names and Symbols: SCN9A; sodium channel, voltage-gated, type IX, alpha subunit; ETHA; FEB3B; NE-NA; NENA; Nav1.7; PN1; OT-THUMP00000204933; OTTHUMP00000204936; hNE-Na; neuroendocrine sodium channel; peripheral sodium channel 1; sodium channel protein type 9 subunit alpha; s; Accession Number (s): NP_002968.1; Human Gene ID(s): 6335; Non-Human GeneID(s): 20274 (mouse) 78956 (rat)
Immunogen	KRKQEDVSATVIQR, is from internal region (near C Terminus)
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 64000.
Western Blot	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 ob
IHC	
Reference	Reference(s): Cox JJ, Sheynin J, Shorer Z, Reimann F, Nicholas AK, Zubovic L, Baralle M, Wraige E, Man-or E, Levy J, Woods CG, Parvari R. Congenital insensitivity to pain: novel SCN9A missense and in-frame deletion mutations. Hum Mutat. 2010 Sep;31(9):E1670-86..PMID: 20635406->

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**