

# SCN1A/2A/3A/4A/5A/8A/9A/10A/11A/12A Conjugated Antibody



Catalog No: #C37231

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Package Size: #C37231-AF350 100ul #C37231-AF405 100ul #C37231-AF488 100ul

#C37231-AF555 100ul #C37231-AF594 100ul #C37231-AF647 100ul

#C37231-AF680 100ul #C37231-AF750 100ul #C37231-Biotin 100ul

## Description

Product Name	SCN1A/2A/3A/4A/5A/8A/9A/10A/11A/12A Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Rt
Specificity	The antibody detects endogenous levels of total SCN1A/2A/3A/4A/5A/8A/9A/10A/11A/12A protein.
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human sodium channel, voltage-gated, type XI, alpha subunit
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	NaN; SNS-2; NAV1.9; SCN12A
Accession No.	Swiss-Prot#:Q9UI33NCBI Gene ID:11280NCBI Protein#:NP_002935.2
Uniprot	Q9UI33
GeneID	11280;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

## Background

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Voltage-gated sodium channels are membrane protein complexes that play a fundamental role in the rising phase of the action potential in most excitable cells. Alpha subunits, such as SCN11A, mediate voltage-dependent gating and conductance, while auxiliary beta subunits regulate the kinetic properties of the channel and facilitate membrane localization of the complex. Aberrant expression patterns or mutations of alpha subunits underlie a number of disorders. Each alpha subunit consists of 4 domains connected by 3 intracellular loops; each domain consists of 6 transmembrane segments and intra- and extracellular linkers.

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Note: This product is for in vitro research use only