

## Product Datasheet

## Anti-Nav1.4 Sodium Channel Antibody FL650 Conjugate



## Overview

<b>Catalog #</b>	75-424-FL650
<b>Conjugate</b>	FL650 Ex: 655 nm, Em: 676 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	N255/38
<b>Size</b>	200 µL
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	ICC, IHC
<b>Species Reactivity</b>	Mouse and Rat
<b>Immunogen</b>	Fusion protein amino acids 269-386 (Repeat I external pore between S5 and S6) of rat Nav1.4 (accession number P15390) produced recombinantly in E. Coli
<b>Molecular Weight</b>	>200 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-424-FL650, RRID: AB_2940411

## Details

<b>Target Description</b>	Sodium channel subunit beta-1 or Navbeta1 Na <sup>+</sup> channel is encoded by SCN1B. Voltage gated sodium channels are made up of an alpha (pore forming) subunit and 1 or 2 beta subunits. SCN1B has two splice variants. Navβ1 is a transmembrane protein and acts as a regulatory subunit in excitable membranes and modulates the kinetics of channel inactivation. It is found expressed in brain, spinal cord, heart and skeletal muscle. Diseases associated with SCN1B include several types of epilepsy.
<b>Specificity</b>	No cross-reactivity reported
<b>Purification Method</b>	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
<b>Quality Control Tests</b>	Each new lot of antibody is quality control tested on cells overexpressing target protein and confirmed to give the expected staining pattern.

**Storage**

Aliquot and store at  $\leq -20^{\circ}\text{C}$  for long term storage. For short term storage, store at  $2-8^{\circ}\text{C}$ . For maximum recovery of product, centrifuge the vial prior to removing the cap.

**Our Guarantee**

---

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

**Note:** For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, viewable on our website.