

## Product Datasheet

Anti-Navbeta3 Na<sup>+</sup> Channel Antibody FL650 Conjugate

## Overview

<b>Catalog #</b>	75-391-FL650
<b>Conjugate</b>	FL650 Ex: 655 nm, Em: 676 nm
<b>Isotype</b>	IgG2b
<b>Clone Number</b>	N396/29
<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
<b>Species Reactivity</b>	Mouse and Rat
<b>Immunogen</b>	Fusion protein amino acids 1-215 (full-length) of rat Navbeta3 (accession number Q9JK00) produced recombinantly in E. Coli
<b>Molecular Weight</b>	40 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-391-FL650, RRID: AB_2940287

## Details

<b>Target Description</b>	Sodium channel subunit beta-3 or Navbeta3 Na <sup>+</sup> channel is encoded by SCN3B. Voltage gated sodium channels are made up of an alpha (pore forming) subunit and 1 or 2 beta subunits. Navβ3 is a transmembrane protein and acts as a regulatory subunit in excitable membranes and modulates the kinetics of channel. Navβ3 is expressed in many tissues, including the central and peripheral nervous system, heart and pancreatic endocrine cells. Diseases associated with SCN3A include forms of Epilepsy and Encephalopathy.
<b>Specificity</b>	Does not cross-react with Navbeta1, Navbeta2 or Navbeta4
<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 by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.

**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**

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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.

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