

## Product Datasheet

## Anti-Pan-Nav1 Sodium Channel Antibody FL594 Conjugate



## Overview

<b>Catalog #</b>	75-405-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	N419/40
<b>Size</b>	200 $\mu$ L
<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>	Human, Mouse, and Rat
<b>Immunogen</b>	Synthetic peptide amino acids 1501-1518 (TEEQKKYYNAMKKLGSKK, cytoplasmic loop between repeat III and IV) of human Nav1.1 (accession number P35498)
<b>Molecular Weight</b>	>200 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-405-FL594, RRID: AB_2940338

## Details

<b>Target Description</b>	The family of voltage gated sodium channels comprise a large alpha subunit and auxiliary beta subunits. Nav1 channels are members of the voltage gated sodium ion channel family and form the alpha type, pore-forming subunit of the channel. There are nine known members of this family. These alpha subunits vary in their function and tissue expression.
<b>Specificity</b>	Cross-reacts with multiple Nav1 channels
<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.
<b>Storage</b>	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.

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