

Product Datasheet

Anti-Pan-Nav1 Sodium Channel Antibody FL650 Conjugate



Overview

Catalog #	75-405-FL650
Conjugate	FL650 Ex: 655 nm, Em: 676 nm
Isotype	IgG2a
Clone Number	N419/40
Size	200 μ L
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC, IHC
Species Reactivity	Human, Mouse, and Rat
Immunogen	Synthetic peptide amino acids 1501-1518 (TEEQKKYYNAMKKLGSKK, cytoplasmic loop between repeat III and IV) of human Nav1.1 (accession number P35498)
Molecular Weight	>200 kDa
Cite this Antibody	Antibodies Inc Cat# 75-405-FL650, RRID: AB_2940339

Details

Target Description	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.
Specificity	Cross-reacts with multiple Nav1 channels
Purification Method	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.
Quality Control Tests	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.

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