

Product Datasheet

Anti-Nav1.8 Na⁺ Channel Antibody FL490 Conjugate

Overview

Catalog #	75-166-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2a
Clone Number	N134/12
Size	200 µL
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	Fusion protein amino acids 1724-1956 (cytoplasmic C-terminus) of rat Nav1.8 (accession number Q62968) produced recombinantly in E. Coli
Molecular Weight	220 kDa
Cite this Antibody	Antibodies Inc Cat# 75-166-FL490, RRID: AB_2939612

Details

Target Description	NAV1.8 is a member of the voltage-gated sodium channel family, which function in producing and propagating action potentials. Sodium channels are composed of a large alpha subunit that may be associated with one or more smaller beta subunits. Nav 1.8 is an integral membrane glycoprotein that is responsible for the initial rising phase of action in most excitable cells. Nav 1.8 is expressed in neurons in the dorsal root ganglion (DRG). and appears to have a role in pain pathways.
Specificity	Does not react with Nav1.7
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 ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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