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Product Datasheet

Anti-Nav1.6 Na+ Channel Antibody FL594 Conjugate

NeuroMab KO Validated

Overview

Catalog #	75-026-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	K87A/10
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	Synthetic peptide 459-476 (intracellular interdomain loop I-II) of rat Nav1.6 (accession number O88420)
Molecular Weight	<200 kDa
Cite this Antibody	Antibodies Inc Cat# 75-026-FL594, RRID: AB_2939162

Details

Target Description	Nav1.6 Na+ channel (sodium channel, voltage-gated, type 8, alpha subunit/ SCN8A) is a member of voltage-gated sodium ion channel subunit family. It is encoded by gene Scn8a in human.The channel switches between open and close conformation in response to the voltage difference accross the membrane. Nav1.6 Na+ channel is located at the nodes of Ranvier. It heavily participates in the regulation of nerve conduction velocity. It has been shown that Nav1.6 Na+ channel loss in roddents induces paralysis due to the failure of the neuromuscular junction (Wagnon et al., 2016).
Specificity	No cross-reactivity reported
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.

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.

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