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PRODUCT DATASHEET

Anti-Nav1.2 Na+ Channel Antibody FL490 Conjugate

Product Details

Available Variants	200 µL (SKU:75-024-FL490)
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2a
Clone	K69/3
Gene Name	Scn2a Scn2a1
Host Species	Mouse
Concentration	Lot dependent: provided at 0.3-0.5 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	PBS with 0.09% azide
Production Notes	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.
Applications	ICC, IHC
Species Reactivity	Feline, Human, Mouse, Non-Human Primate, Rat
Immunogen	Fusion protein amino acids 1882-2005 (cytoplasmic C-terminus) of rat rat Nav1.2 (accession number P04775) produced recombinantly in E. Coli
Specificity	Lack of cross-reactivity against Nav1.1, Nav1.3, Nav1.6 verified
Molecular Weight	˜250 kDa
Quality Control	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 ≤ -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.
Antibody Registry ID	AB_2939156
UniProt ID	P04775 UniProt Summary: Mediates the voltage-dependent sodium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a sodium-selective channel through which Na(+) ions may pass in accordance with their electrochemical gradient. Implicated in the regulation of hippocampal replay occurring within sharp wave ripples (SPW-R) important for memory.
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	12 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.
NCBI Gene ID	24766

Product Images



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