

Product Datasheet

Anti-Kv9.1 Antibody FL594 Conjugate



Overview

Catalog #	75-450-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG2b
Clone Number	N461/19
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
Species Reactivity	Mouse and Rat
Immunogen	Fusion protein amino acids 1-186 (cytoplasmic N-terminus) of mouse Kv9.1 (accession number O35173) produced recombinantly in E. Coli
Molecular Weight	60-80 kDa
Cite this Antibody	Antibodies Inc Cat# 75-450-FL594, RRID: AB_2940498

Details

Target Description	Potassium voltage-gated channel modifier subfamily S member 1 is encoded by the gene KCNS1. KCNS1 is a member of the potassium channel family, S (TC 1.A.1.2) subfamily, Kv9.1/KCNS1 sub-subfamily. KCNS1 is a potassium channel subunit that does not form functional channels by itself. It can form heterotetrameric channels with KCNB1 and KCNB2. KCNS1 modulates the delayed rectifier voltage-gated potassium channel activation and deactivation rates of KCNB1 and KCNB2. KCNS1 is expressed in the brain. Diseases associated with KCNS1 include epileptic encephalopathy, early infantile, 7.
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 by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.

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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