

Product Datasheet

Anti-KCNU1/Slo3 pH-Sensitive Maxi-K⁺ Channel Antibody FL594 Conjugate

Overview

Catalog #	75-056-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	N2/16
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, Xenopus
Immunogen	Fusion protein amino acids 1052-1121 of mouse Slo3 (accession number O54982) produced recombinantly in E. Coli
Molecular Weight	115 kDa
Cite this Antibody	Antibodies Inc Cat# 75-056-FL594, RRID: AB_2939246

Details

Target Description	Potassium calcium-activated channel subfamily U member 1 is encoded by the gene KCNU1. KCNU1 is a member of the potassium channel family, calcium-activated (TC 1.A.1.3) subfamily, KCa5.1/KCNU1 sub-subfamily. KCNU1 is a testis-specific potassium channel activated by both intracellular pH and membrane voltage that mediates transport of K ⁺ . KCNU1 is expressed in the testis. Diseases associated with KCNU1 include Leukodystrophy, Hypomyelinating, 3 and Coffin-Siris Syndrome 1.
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 $\leq -20^{\circ}\text{C}$ 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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