

Product Datasheet

Anti-KCNU1/Slo3 pH-Sensitive Maxi-K⁺ Channel Antibody FL490 Conjugate

NeuroMab



KO Validated

Overview

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|---------------------------|--|
| Catalog # | 75-056-FL490 |
| Conjugate | FL490 Ex: 491 nm, Em: 515 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-FL490, RRID: AB_2939244 |

Details

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|------------------------------|---|
| 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.

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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