

Product Datasheet

Anti-KChIP2b K+ Channel Antibody FL490 Conjugate



Overview

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| Catalog # | 75-004-FL490 |
| Conjugate | FL490 Ex: 491 nm, Em: 515 nm |
| Isotype | IgG1 |
| Clone Number | K60/73 |
| 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 | Canine, Human, Mouse, Pig, and Rat |
| Immunogen | Fusion protein amino acids 1-252 (full length) of rat KChIP2b (accession number AAF81756) produced recombinantly in E. Coli |
| Molecular Weight | 35 kDa |
| Cite this Antibody | Antibodies Inc Cat# 75-004-FL490, RRID: AB_2939076 |

Details

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| Target Description | Kv channel-interacting protein 2, Kchip2 potassium channel subunit, or potassium channel auxiliary subunit KCHIP2b is a member of the family of voltage-gated potassium (Kv) channel-interacting proteins (KCNIPs), which belongs to the recoverin or neuronal calcium sensor (NCS) family branch of the EF-hand superfamily. Kchip2 is a calcium binding protein and an integral subunit component of native Kv4 channel complexes. Kchip2 is primarily expressed in heart tissue but is also found in brain. Diseases associated with KCNIP2 include Spinocerebellar Ataxia Type 19/22, Brugada Syndrome, long qt syndrome 1, and dilated cardiomyopathy. |
| Specificity | No cross-reactivity against rat KChIPs 1,3 |
| 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.

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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