

Product Datasheet

Anti-Pan-Kvbeta K+ Channel Antibody FL550 Conjugate



Overview

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| Catalog # | 75-106-FL550 |
| Conjugate | FL550 Ex: 550 nm, Em: 575 nm |
| Isotype | IgG2a |
| Clone Number | K40/17 |
| Size | 200 μ L |
| 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 | Human, Mouse, and Rat |
| Immunogen | Fusion protein amino acids 1-401 (full-length) of rat Kv1 (accession number P63144) produced recombinantly in E. Coli |
| Molecular Weight | 30-45 kDa |
| Cite this Antibody | Antibodies Inc Cat# 75-106-FL550, RRID: AB_2939397 |

Details

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| Target Description | The β subunits of voltage-gated potassium channels are members of the potassium channel, voltage-gated, shaker-related subfamily. Kv β s are cytoplasmic subunits that modulate the characteristics of the membrane spanning, channel-forming alpha-subunits. Beta subunits can promote the closure of channels or enhance channel activity depending on other channel proteins. There are three β subunits (Kv β 1, Kv β 2, Kv β 3) which are coded by three different genes. Additionally, there is alternative splicing of these three genes, further diversifying the functions and tissue expression of the family. |
| 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.

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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