

Product Datasheet

Anti-Kv1.1 K⁺ Channel Antibody FL490 Conjugate

Overview

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| Catalog # | 75-007-FL490 |
| Conjugate | FL490 Ex: 491 nm, Em: 515 nm |
| Isotype | IgG1 |
| Clone Number | K20/78 |
| 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 | Finch, Human, Mouse, Rabbit, and Rat |
| Immunogen | Synthetic peptide amino acids 458-476 (cytoplasmic C-terminus) of rat Kv1.1 (EEDMNNNSIAHYRQANIRTG; accession number P10499) |
| Molecular Weight | 85 kDa (major: mature glycosylation), 65 kDa (minor: immature glycosylation) |
| Cite this Antibody | Antibodies Inc Cat# 75-007-FL490, RRID: AB_2939088 |

Details

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|------------------------------|---|
| Target Description | Potassium Channel Kv1.1 or Kcna1 is a member of the Shaker potassium channel family. Kv1.1 is expressed in the brain, CNS and in the kidney. Potassium channels form homotetrameric and heterotetrameric channels in the membrane with various other related proteins, including KCNA2, KCNA4, KCNA5, KCNA6, KCNA7. Kv1.1 is involved with the regulation of cellular functions and the control of neuronal excitability. Mutations in Kv1.1 are associated with Episodic ataxia type 1 and epilepsy. |
| 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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