

Product Datasheet

Anti-Kv1.1 K⁺ Channel Antibody FL594 Conjugate

Overview

Catalog #	75-007-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 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-FL594, RRID: AB_2939090

Details

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.

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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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