

Product Datasheet

Anti-Kv3.2 Potassium Channel Antibody FL594 Conjugate



Overview

Catalog #	75-397-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	N410/17
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	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 474-613 (cytoplasmic C-terminus) of rat Kv3.2a (accession number P22462-3) produced recombinantly in E. Coli
Molecular Weight	80-100 kDa (varies due to post-translational modifications)
Cite this Antibody	Antibodies Inc Cat# 75-397-FL594, RRID: AB_2940310

Details

Target Description	Potassium voltage-gated channel subfamily C member 2 or Kv3.2 potassium channel, is a member of the potassium channel, voltage-gated, shaker-related subfamily and the Shaw subfamily (the family includes 4 members Kv3.1-Kv3.4). Kv3.2 is primarily expressed in brain and found in the cortex and hippocampus. It has also been detected in the thalamus and caudate nucleus. Kv3.2 is a membrane protein that mediates the voltage-dependent potassium ion permeability of excitable membranes. Diseases associated with KCNC2 include Spinocerebellar Ataxia 13 and Episodic Ataxia, Type 2
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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