

Product Datasheet

Anti-KChIP3 K+ Channel Antibody FL550 Conjugate



Overview

Catalog #	75-005-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG2a
Clone Number	K66/38
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 1-256 (full length) of rat Calsenillin/DREAM/KChIP3 (accession number Q9JIM47) produced recombinantly in E. Coli
Molecular Weight	34 kDa
Cite this Antibody	Antibodies Inc Cat# 75-005-FL550, RRID: AB_2939081

Details

Target Description	Kchip3 potassium channel, also known as Kv channel-interacting protein 3, Kcnip3, DREantagonist modulator and Dream 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. Kchip3 is an integral subunit component of native Kv4 channel complexes that may regulate A-type currents and function as a calcium regulated transcriptional repressor. Kchip3 is detected in brain, specifically in the cortex, thalamus, dentate gyrus and cerebellum and can be found throughout the cell. It is also found in other tissues at low levels. Diseases associated with KCNIP3 include alzheimer disease.
Specificity	No cross-reactivity against rat KChIPs 1,2, 4
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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