

Product Datasheet

Anti-Pan-KChIP K+ Channel Antibody FL550 Conjugate



Overview

Catalog #	75-006-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG2a
Clone Number	K55/82
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 1-216 (full length) of rat KChIP1b (accession number Q8R426) produced recombinantly in E. Coli
Molecular Weight	33 kDa (KChIP2), 25 kDa (KChIP3/4), 22 kDa (KChIP1)
Cite this Antibody	Antibodies Inc Cat# 75-006-FL550, RRID: AB_2939085

Details

Target Description	The Kv channel-interacting proteins (KChIP1, kChIp2, kChIp3, and kChIp4) are members of the family of voltage-gated potassium (Kv) channel-interacting proteins (KCNIPs), which belong to the recoverin or neuronal calcium sensor (NCS) family branch of the EF-hand superfamily. They serve as auxiliary channel subunits and interact with Kv4 alpha subunits to form native Kv4 channel complexes. KChIP subunits regulate Kv4 channels through various mechanisms including altering: channel density, inactivation kinetics, rate of recovery from inactivation, and cell surface delivery.
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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