

Product Datasheet

Anti-KChIP2b K+ Channel Antibody FL550 Conjugate



Overview

Catalog #	75-004-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG1
Clone Number	K60/73
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	Canine, Human, Mouse, Pig, and Rat
Immunogen	Fusion protein amino acids 1-252 (full length) of rat KChIP2b (accession number AAF81756) produced recombinantly in E. Coli
Molecular Weight	35 kDa
Cite this Antibody	Antibodies Inc Cat# 75-004-FL550, RRID: AB_2939077

Details

Target Description	Kv channel-interacting protein 2, Kchip2 potassium channel subunit, or potassium channel auxiliary subunit KCHIP2b 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. Kchip2 is a calcium binding protein and an integral subunit component of native Kv4 channel complexes. Kchip2 is primarily expressed in heart tissue but is also found in brain. Diseases associated with KCNIP2 include Spinocerebellar Ataxia Type 19/22, Brugada Syndrome, long qt syndrome 1, and dilated cardiomyopathy.
Specificity	No cross-reactivity against rat KChIPs 1,3
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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