

Product Datasheet

Anti-KChIP4 K⁺ channel Antibody FL490 Conjugate

Overview

Catalog #	75-406-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2a
Clone Number	N423/75
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 1-233 (full-length) of human KChIP4 (accession number Q3YAB7) produced recombinantly in E. Coli.
Molecular Weight	30 kDa
Cite this Antibody	Antibodies Inc Cat# 75-406-FL490, RRID: AB_2940340

Details

Target Description	Potassium voltage-gated channel interacting protein 4 is encoded by the gene KCNIP4. KCNIP4 is a member of the recoverin family. KCNIP4 is a regulatory subunit of Kv4/D (Shal)-type voltage-gated rapidly inactivating A-type potassium channels. KCNIP4 modulates KCND2 channel density, inactivation kinetics, and rate of recovery from inactivation in a calcium-dependent and isoform-specific manner. KCNIP4 is expressed in brain and bone marrow. Diseases associated with KCNIP4 include Synovial Angioma and Childhood Malignant Schwannoma.
Specificity	Does not cross-react with KChIP1, KChIP2 or KChIP3
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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