

Product Datasheet

Anti-Kvbeta2 K+ Channel Antibody FL490 Conjugate



Overview

Catalog #	75-021-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	K17/70
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	Finch, Human, Mouse, Non-Human Primate, Rat, and Xenopus
Immunogen	Fusion protein amino acids 1-367 (full length) of rat Kv2 (accession number NP_034728) produced recombinantly in E. Coli
Molecular Weight	38 kDa (major band), 41 kDa (minor band)
Cite this Antibody	Antibodies Inc Cat# 75-021-FL490, RRID: AB_2939144

Details

Target Description	Voltage-gated potassium channel subunit beta-2 or Kvβ2 is encoded by the gene KCNAB2. Kvβ2 is a member of the potassium channel, voltage-gated, shaker-related subfamily. Kvβ2 is a cytoplasmic subunit that modulates the characteristics of the membrane spanning, channel-forming alpha-subunits. Beta subunits can promote the closure of channels or enhance channel activity depending on other channel proteins. Kvβ2 is expressed in brain, in the cerebellum and in the juxtaparanodal region of nodes of Ranvier. Kvβ2 expression is also detected in lung, heart and kidney. Diseases associated with KCNAB2 include Chromosome 1P36 Deletion Syndrome and Juvenile Amyotrophic Lateral Sclerosis 16,
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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