

Product Datasheet

Anti-BKbeta2 K+ Channel Antibody FL490 Conjugate



Overview

Catalog #	75-087-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2a
Clone Number	N53/32
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
Species Reactivity	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 1-41 (N-terminus) and 218-235 (C-terminus) of mouse BKbeta2 (accession number Q9CZM9) produced recombinantly in E. Coli
Molecular Weight	27 kDa
Cite this Antibody	Antibodies Inc Cat# 75-087-FL490, RRID: AB_2939332

Details

Target Description	Calcium-activated potassium channel subunit beta-2, Potassium Calcium-Activated Channel Subfamily M Regulatory Beta Subunit 2 or BKbeta2 is encoded by the gene KCNMB2. BKbeta2 can bind to KCNMA1 to form a channel in the calcium activated large conductance (MaxiK channel) family. BKbeta2 acts to modulate the calcium sensitivity and gating kinetics of KCNMA1. BKbeta2 is expressed in the membrane in many tissues including kidney, heart, ovary and brain.
Specificity	No cross-reactivity against BKbeta1, BKbeta3 or BKbeta4
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 ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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