

Product Datasheet

Anti-BKbeta3a K⁺ Channel Antibody FL490 Conjugate

Overview

Catalog #	75-098-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N40B/18
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 1-49 (unique N-terminus) of mouse BKBeta3a (accession number Q08460) produced recombinantly in E. Coli
Molecular Weight	32 kDa
Cite this Antibody	Antibodies Inc Cat# 75-098-FL490, RRID: AB_2939364

Details

Target Description	Calcium-activated potassium channel subunit beta-3, Potassium Calcium-Activated Channel Subfamily M Regulatory Beta Subunit 3 or BKBeta3a is encoded by the gene KCNMB3. BKbeta3a can bind to KCNMA1 to form a channel in the calcium activated large conductance (MaxiK channel) family. BKbeta3a acts to modulate the calcium sensitivity and gating kinetics of KCNMA1. It is widely expressed in tissues, and is present in several isoforms. Diseases associated with this gene include Familial Febrile Seizures.
Specificity	No cross-reactivity against BKBeta1, BKBeta2, BKBeta3b 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 on cells overexpressing target protein and confirmed to give the expected staining pattern.

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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