

Product Datasheet

Anti-BKbeta4 K+ Channel Antibody FL594 Conjugate



Overview

Catalog #	75-086-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG2a
Clone Number	L18A/3
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 45-167 (entire extracellular domain) of mouse BKBeta4 (accession number Q9JIN6) produced recombinantly in E. Coli
Molecular Weight	24 kDa
Cite this Antibody	Antibodies Inc Cat# 75-086-FL594, RRID: AB_2939330

Details

Target Description	Calcium-activated potassium channel subunit beta-4, Potassium Calcium-Activated Channel Subfamily M Regulatory Beta Subunit 4 or BKBeta4 is encoded by the gene KCNMB4. BKbeta4 can bind to KCNMA1 to form a channel in the calcium activated large conductance (MaxiK channel) family. BKbeta4 acts to modulate the calcium sensitivity and gating kinetics of KCNMA1. It is expressed in brain and CNS.
Specificity	No cross-reactivity against BKBeta1, BKBeta2 or BKBeta3
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 ≤ -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.

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.

Note: For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, viewable on our website.