

## Product Datasheet

## Anti-BKbeta2 K+ Channel Antibody FL594 Conjugate



## Overview

<b>Catalog #</b>	75-087-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	N53/32
<b>Size</b>	200 µL
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	ICC
<b>Species Reactivity</b>	Human, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 1-41 (N-terminus) and 218-235 (C-terminus) of mouse BKbeta2 (accession number Q9CZM9) produced recombinantly in E. Coli
<b>Molecular Weight</b>	27 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-087-FL594, RRID: AB_2939334

## Details

<b>Target Description</b>	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.
<b>Specificity</b>	No cross-reactivity against BKbeta1, BKbeta3 or BKbeta4
<b>Purification Method</b>	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.
<b>Quality Control Tests</b>	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.
<b>Storage</b>	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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