

## Product Datasheet

## Anti-Kv11.3 Potassium Channel Antibody FL594 Conjugate



## Overview

<b>Catalog #</b>	75-440-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG2b
<b>Clone Number</b>	N447/24
<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, IHC
<b>Species Reactivity</b>	Human, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 894-1059 (cytoplasmic C-terminus) of rat Kv11.3 (accession number O54852) produced recombinantly in E. Coli
<b>Molecular Weight</b>	120 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-440-FL594, RRID: AB_2940466

## Details

<b>Target Description</b>	ERG3 (ether-a-go-go-related gene 3), Potassium voltage-gated channel subfamily H member 7, or Kv11.3 potassium channel is encoded by the gene Kcnh7 and is a member of the ERG family of voltage activated potassium channels. Kv11.3 is a pore forming, alpha subunit of the potassium channel. Erg channels play roles in regulating the resting membrane potential and action potential duration. Kv11.3 is detected in total brain, in superior cervical, mesenteric and celiac ganglia, and at very low levels in retina and is also found in pituitary.
<b>Specificity</b>	No cross-reactivity reported
<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.

**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**

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