

Product Datasheet

Anti-Kv11.3 Potassium Channel Antibody FL490 Conjugate



Overview

Catalog #	75-440-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2b
Clone Number	N447/24
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 894-1059 (cytoplasmic C-terminus) of rat Kv11.3 (accession number O54852) produced recombinantly in E. Coli
Molecular Weight	120 kDa
Cite this Antibody	Antibodies Inc Cat# 75-440-FL490, RRID: AB_2940464

Details

Target Description	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.
Specificity	No cross-reactivity reported
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 $\leq -20^{\circ}\text{C}$ 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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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.

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