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Product Datasheet

Anti-Kv8.2 Potassium Channel Antibody FL490 Conjugate

Overview

Catalog #	75-435-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2b
Clone Number	N448/88
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	Mouse
Immunogen	Fusion protein amino acids 1-163 (cytoplasmic N-terminus) of mouse Kv8.2 (accession number Q8CFS6) produced recombinantly in E. Coli
Molecular Weight	65 kDa
Cite this Antibody	Antibodies Inc Cat# 75-435-FL490, RRID: AB_2940448

Details

Target Description	Voltage-gated K+ channels are important determinants of neuronal membrane excitability (Pongs, 1999). Moreover, differences in K+ channel expression patterns and densities contribute to the variations in action potential waveforms and repetitive firing patterns evident in different neuronal cell types. Members of the Kv5-Kv11 families code for “silent subunits” that do not express as functional homomultimers. In heterologous expression systems, silent subunits can coassemble with Kv2 and Kv3 subunits and modulate the biophysical characteristics of the latter subunits (Yan L. et al., 2004).
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 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.