

Product Datasheet

Anti-Kv9.2 Antibody FL490 Conjugate



Overview

Catalog #	75-459-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N460/19
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 and Rat
Immunogen	Fusion protein amino acids 411-477 (cytoplasmic C-terminus) of mouse Kv9.2 (accession number O35174) produced recombinantly in E. Coli
Molecular Weight	60-80 kDa
Cite this Antibody	Antibodies Inc Cat# 75-459-FL490, RRID: AB_2940528

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 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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