

Product Datasheet

Anti-Kv7.4/KCNQ4 K+ Channel Antibody FL550 Conjugate



Overview

Catalog #	75-082-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG1
Clone Number	N43/6
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	Bovine, Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 2-77 of human KCNQ4 (accession number P56696) produced recombinantly in E. Coli
Molecular Weight	77 kDa
Cite this Antibody	Antibodies Inc Cat# 75-082-FL550, RRID: AB_2939313

Details

Target Description	Potassium voltage-gated channel subfamily KQT member 4, Voltage-Gated Potassium Channel Subunit Kv7.4 or KCNQ4 is encoded by the gene KCNQ4. KCNQ4 is thought to play a critical role in the regulation of neuronal excitability, particularly in sensory cells of the cochlea. It is found in the outer hair cell of cochlea, brain, heart, and skeletal muscle. Diseases associated with KCNQ4 include types of deafness.
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.

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