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Product Datasheet

Anti-TASK1 Potassium Channel Antibody FL650 Conjugate

NeuroMab KO Validated

Overview

Catalog #	75-357-FL650
Conjugate	FL650 Ex: 655 nm, Em: 676 nm
Isotype	IgG2b
Clone Number	N374/48
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 251-411 (cytoplasmic C-terminus) of rat Acid-sensitive potassium channel protein TASK or TASK1 (accession number O54192) produced recombinantly in E. Coli
Molecular Weight	50 kDa
Cite this Antibody	Antibodies Inc Cat# 75-357-FL650, RRID: AB_2940199

Details

Target Description	Potassium two pore domain channel subfamily K member 3 is encoded by the gene KCNK3. KCNK3 is a member of the two pore domain potassium channel (TC 1.A.1.8) family. KCNK3 is a pH dependent, voltage-insensitive, background potassium channel protein. Rectification direction results from the potassium ion concentration on either side of the membrane, with it functioning as an outward rectifier when the external potassium concentration is low, and it functioning as an internal rectifier when the external potassium concentration is high. KCNK3 is expressed in the heart, lung, brain, liver, kidney, and skeletal muscle. Diseases associated with KCNK3 include Pulmonary Hypertension Primary 4 and Heritable Pulmonary Arterial Hypertension.
Specificity	Does not cross-react with TASK3
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 IHC on either rat or mouse brain 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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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.