

Product Datasheet

Anti-TRPML3/Mucolipin-3 Antibody FL550 Conjugate



Overview

Catalog #	75-283-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG2a
Clone Number	N268/19
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
Species Reactivity	Human, Mouse, and Rat
Immunogen	Synthetic peptide amino acids 269-285 (CKDWHVSGSIQKNTHYM, extracellular N-terminus) of human TRPML3 (accession number Q8TDD5)
Molecular Weight	64 kDa
Cite this Antibody	Antibodies Inc Cat# 75-283-FL550, RRID: AB_2940009

Details

Target Description	Mucolipin-3, Transient receptor potential cation channel, mucolipin subfamily, member 3 or TrpML3 is encoded by the gene MCOLN3. It is a member of the small family of the TRPML channels, a subgroup of the large protein family of TRP ion channels and acts as an inwardly rectifying cation channel. TrpML3 is found in the cochlea, olfactory kidney, lung and hair cells and strial cells of the inner ear. The protein localizes to the plasma membrane, endosomes, and lysosomes of cells. Mutations in this gene in mice result in auditory hair cell death and 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 $\leq -20^{\circ}\text{C}$ 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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