

Product Datasheet

Anti-TrpM6 Antibody FL594 Conjugate



Overview

Catalog #	75-464-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG2a
Clone Number	N470/22
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
Immunogen	Fusion protein amino acids 1258-1480 (cytoplasmic C-terminus) of human TrpM6 (accession number Q9BX84) produced recombinantly in E. Coli
Molecular Weight	240 kDa
Cite this Antibody	Antibodies Inc Cat# 75-464-FL594, RRID: AB_2940550

Details

Target Description	Transient receptor potential cation channel subfamily M member 6 or TrpM6 is encoded by the gene TRPM6. TrpM6 is a member of the transient receptor potential ion channel family and acts as a serine/threonine-protein kinase. TrpM6 has an essential function in magnesium transport and is involved with magnesium absorption in the gut and kidney. TRPM6 is primarily expressed in the kidney, colon, GI tract and placenta kidney. Mutations in this gene are associated with hypomagnesemia with secondary hypocalcemia.
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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