

Product Datasheet

Anti-TrpC4 Antibody FL594 Conjugate



Overview

Catalog #	75-119-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG2b
Clone Number	N77/15
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	Human, Mouse, and Rat
Immunogen	Synthetic peptide amino acids 930-947 (FKSEKVVVEDTVPIIPKE) of rat TrpC4 (accession number O35119)
Molecular Weight	110 kDa
Cite this Antibody	Antibodies Inc Cat# 75-119-FL594, RRID: AB_2939442

Details

Target Description	Short transient receptor potential channel 4 or TrpC4 is encoded by the gene TrpC4. TrpC4 belongs to the transient receptor family, a group of membrane bound ion channels that have a relatively non-selective permeability to cations, including sodium, calcium and magnesium. This protein is thought to have a role as a cell-cell contact-dependent endothelial calcium entry channel. Trpc4 is found in many tissues including CNS, placenta, heart, smooth muscle, testis, kidney and brain. Mutations in this gene are associated with generalized epilepsy with photosensitivity.
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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