

Product Datasheet

Anti-TrpC1 Antibody FL490 Conjugate



Overview

Catalog #	75-278-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	1F1
Size	200 μ L
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	Fusion protein amino acids 27-306 (cytoplasmic N-terminus) of human TRPC1 (accession number P48995) produced recombinantly in E. Coli.
Molecular Weight	80-90 kDa
Cite this Antibody	Antibodies Inc Cat# 75-278-FL490, RRID: AB_2939988

Details

Target Description	Short transient receptor potential channel 1 or TrpC1 is encoded by the gene TRPC1. TrpC1 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. TrpC1 expression seems to be ubiquitous, and is widely expressed in throughout the brain.
Specificity	Does not cross-react with TRPC4 (based on KO validation results)
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 western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
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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