

Product Datasheet

Anti-TrpC5 Antibody FL490 Conjugate



Overview

Catalog #	75-104-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2b
Clone Number	N67/15
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	Guinea Pig, Human, Mouse, and Rat
Immunogen	Synthetic peptide amino acids 827-845 (SKAESSKRSFMGPSLKKL) of human TrpC5 (accession number Q9UL62)
Molecular Weight	110 kDa
Cite this Antibody	Antibodies Inc Cat# 75-104-FL490, RRID: AB_2939388

Details

Target Description	Short transient receptor potential channel 5 or TrpC5 is encoded by the gene TRPC5. TrpC5 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. Apparent roles for Trpc5 include the regulation of neurite outgrowth. TrpC5 is found in the brain, developing fetal brain, CNS, and kidney. To date, TrpC5 functions in partnership with up to 60 proteins, including other TrpC members, IP3 receptors, NCS-1 and caveolin. Diseases associated with TrpC5 include Hypertrophic Pyloric Stenosis and Pyloric Stenosis
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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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.

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