

Product Datasheet

Anti-INPP4b Antibody FL550 Conjugate



Overview

Catalog #	75-218-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG1
Clone Number	N171/17
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 and Mouse
Immunogen	Fusion protein amino acids 395-518 of human INPP4b (accession number O15327) produced recombinantly in E. Coli
Molecular Weight	100 kDa
Cite this Antibody	Antibodies Inc Cat# 75-218-FL550, RRID: AB_2939805

Details

Target Description	Inositol polyphosphate 4-phosphatase type II is encoded by the gene INPP4B. INPP4B is a member of the inositol 3,4-bisphosphate 4-phosphatase family. INPP4B is an enzyme involved in phosphatidylinositol pathways. This enzyme catalyzes the hydrolysis of the 4-position phosphate of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-triphosphate, and inositol 3,4-triphosphate. The lipid phosphatase activity is critical for tumor suppressor function. INPP4B activity modulates cell cycle progression and cell survival. INPP4B is widely expressed with the highest levels occurring in the skeletal muscle and heart. No disorders were found to be associated with INPP4B.
Specificity	Does not cross-react with INPP4a
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.

Our Guarantee

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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