

## Product Datasheet

## Anti-INPP4b Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-218-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N171/17
<b>Size</b>	200 µL
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	ICC
<b>Species Reactivity</b>	Human and Mouse
<b>Immunogen</b>	Fusion protein amino acids 395-518 of human INPP4b (accession number O15327) produced recombinantly in E. Coli
<b>Molecular Weight</b>	100 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-218-FL490, RRID: AB_2939804

## Details

<b>Target Description</b>	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.
<b>Specificity</b>	Does not cross-react with INPP4a
<b>Purification Method</b>	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.
<b>Quality Control Tests</b>	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**

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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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