

## Product Datasheet

## Anti-ATAT1 Antibody FL650 Conjugate



## Overview

<b>Catalog #</b>	75-426-FL650
<b>Conjugate</b>	FL650 Ex: 655 nm, Em: 676 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N347/42
<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, IHC
<b>Species Reactivity</b>	Human, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 2-236 (N-acetyltransferase domain) of human ATAT1 (accession number Q5SQI0) produced recombinantly in E. Coli
<b>Molecular Weight</b>	40-45 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-426-FL650, RRID: AB_2940419

## Details

<b>Target Description</b>	Alpha-tubulin N-acetyltransferase 1 or ATAT is encoded by the gene ATAT1 and is an enzyme which belongs to the acyltransferase family. ATAT1 functions to acetylate alpha tubulin at Lysine 40. ATAT1 is thought to be involved in microtubule growth, for instance during chemotaxis and the formation of cilium. ATAT1 exists in multiple isotypes. ATAT1 is expressed in many tissues including brain, kidney, retina and testis. Diseases associated with ATAT1 include Von Willebrand Disease, Type 3 and Blood Coagulation Disease.
<b>Specificity</b>	No cross-reactivity reported
<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 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.

**Our Guarantee**

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