

Product Datasheet

Anti-ATAT1 Antibody FL490 Conjugate

NeuroMab



KO Validated

Overview

Catalog #	75-426-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N347/42
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	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 2-236 (N-acetyltransferase domain) of human ATAT1 (accession number Q5SQI0) produced recombinantly in E. Coli
Molecular Weight	40-45 kDa
Cite this Antibody	Antibodies Inc Cat# 75-426-FL490, RRID: AB_2940416

Details

Target Description	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.
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 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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