

## Product Datasheet

## Anti-Thorase/Atad1 Antibody FL594 Conjugate



## Overview

<b>Catalog #</b>	75-157-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N125/10
<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 1-361 (full-length) of mouse Thorase (accession number Q9D5T0) produced recombinantly in E. Coli
<b>Molecular Weight</b>	40 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-157-FL594, RRID: AB_2939582

## Details

<b>Target Description</b>	ATPase Family AAA Domain-containing 1 is encoded by the gene ATAD1. ATAD1 plays a critical role in regulating the surface expression of AMPA receptors thereby regulating synaptic plasticity, learning, and memory. Diseases associated with ATAD1 include Hyperekplexia 4 and Hyperekplexia.
<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.
<b>Storage</b>	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.

## **Our Guarantee**

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