

## Product Datasheet

## Anti-Aldh1L1 (Blotting) Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-140-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N103/39
<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, Non-Human Primate, and Rat
<b>Immunogen</b>	Protein amino acids 1-902 (full-length) of rat Aldh1L1 (accession number P28037) produced recombinantly in E. Coli
<b>Molecular Weight</b>	100 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-140-FL490, RRID: AB_2939516

## Details

<b>Target Description</b>	Aldehyde dehydrogenase family 1 member L1 (Aldh1L1) is a member of the aldehyde dehydrogenase family. This protein is an enzyme that catalyzes the conversion of 10-formyltetrahydrofolate, NADP, and water to tetrahydrofolate, NADPH, and carbon dioxide. It is an astrocyte marker and also is expressed in the liver. It is proposed to play a role in regulation of cellular THF levels and inhibiting cell proliferation. Alterations in Aldh1L1 have been implicated in Congenital Hydrocephalus
<b>Specificity</b>	No cross-reactivity against Aldh1L2
<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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