

Product Datasheet

Anti-Aldh1L1 (Staining) Antibody FL490 Conjugate



Overview

Catalog #	75-164-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N103/31
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	Rat
Immunogen	Protein amino acids 1-902 (full-length) of rat Aldh1L1 (accession number P28037) produced recombinantly in E. Coli
Molecular Weight	100 kDa
Cite this Antibody	Antibodies Inc Cat# 75-164-FL490, RRID: AB_2939608

Details

Target Description	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
Specificity	No cross-reactivity against Aldh1L2
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 IHC on either rat or mouse brain 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.

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