

For Research Use Only

# CoraLite®594-conjugated ALDH1L1 Monoclonal antibody



Catalog Number:CL594-68018

## Basic Information

Catalog Number:

CL594-68018

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG13190

GenBank Accession Number:

BC027241

GeneID (NCBI):

10840

UNIPROT ID:

O75891

Full Name:

aldehyde dehydrogenase 1 family,  
member L1

Calculated MW:

99 kDa

Observed MW:

100 kDa

Purification Method:

Protein G purification

CloneNo.:

1C1A3

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima  
wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

IF-P

Species Specificity:

Human, rat, mouse, pig

Positive Controls:

IF-P: mouse brain tissue,

## Background Information

Aldehyde dehydrogenase 1 family member L1 (ALDH1L1), belongs to the aldehyde dehydrogenase family of proteins and is responsible for formate oxidation in vivo. Loss of ALDH1L1 is associated with decreased apoptosis, increased cell motility, and cancer progression. ALDH1L1 catalyzes the conversion of 10-formyltetrahydrofolate, nicotinamide adenine dinucleotide phosphate (NADP<sup>+</sup>), and water to tetrahydrofolate, NADPH, and carbon dioxide. ALDH1L1 has some isoforms with MW of 99, 88 and 55 kDa.

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

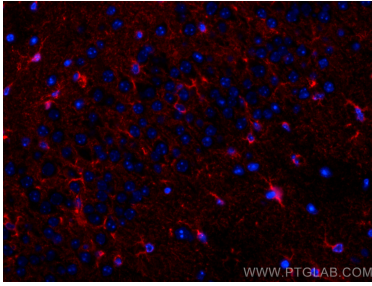
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® 594 ALDH1L1 antibody (CL594-68018, Clone: 1C1A3 ) at dilution of 1:200.