

For Research Use Only

CoraLite®594-conjugated ALDH1L1 Monoclonal antibody

Catalog Number:CL594-68018



Basic Information

Catalog Number: CL594-68018	GenBank Accession Number: BC027241	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10840	CloneNo.: 1C1A3
Source: Mouse	UNIPROT ID: O75891	Recommended Dilutions: IF-P 1:50-1:500
Isotype: IgG1	Full Name: aldehyde dehydrogenase 1 family, member L1	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG13190	Calculated MW: 99 kDa	
	Observed MW: 100 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P: mouse brain tissue,
Species Specificity: Human, rat, mouse, pig	

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+), and water to tetrahydrofolate, NADPH, and carbon dioxide. ALDH1L1 has some isoforms with MW of 99, 88 and 55 kDa.

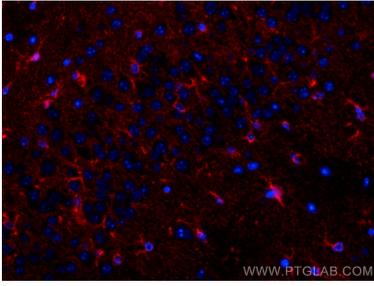
Storage

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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.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.