

For Research Use Only

CoraLite® Plus 488-conjugated ALDH1L1 Polyclonal antibody

Catalog Number:CL488-17390



Basic Information

Catalog Number: CL488-17390	GenBank Accession Number: BC027241	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10840	Recommended Dilutions: IF-P 1:50-1:500
Source: Rabbit	UNIPROT ID: O75891	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: aldehyde dehydrogenase 1 family, member L1	
Immunogen Catalog Number: AG11285	Calculated MW: 99 kDa	
	Observed MW: 100 kDa	

Applications

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

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

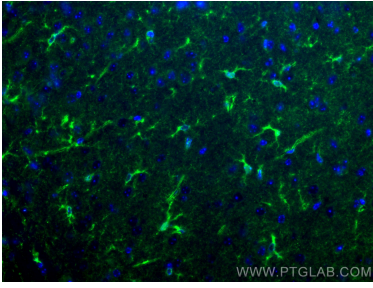
For technical support and original validation data for this product please contact:

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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 paraffin-embedded mouse brain tissue using CoraLite® Plus 488 ALDH1L1 antibody (CL488-17390) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).