

For Research Use Only

# CoraLite® Plus 488-conjugated ALDH1A2 Recombinant monoclonal antibody

Catalog Number:**CL488-86518**



## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-86518	BC030589	Protein A purification
Size:	GenID (NCBI):	CloneNo.:
100ul , Concentration: 1000 ug/ml by Nanodrop;	8854	251371D10
Source:	UNIPROT ID:	Recommended Dilutions:
Rabbit	O94788	IF/ICC: 1:50-1:500
Isotype:	Full Name:	Excitation/Emission maxima
IgG	aldehyde dehydrogenase 1 family, member A2	wavelengths:
Immunogen Catalog Number:	Calculated MW:	493 nm / 522 nm
AG5062	518 aa, 57 kDa	
	Observed MW:	
	53-57 kDa	

## Applications

Tested Applications:	Positive Controls:
IF/ICC	IF/ICC : Jurkat cells,
Species Specificity:	
human, mouse, rat	

## Background Information

ALDH1A2(aldehyde dehydrogenase family 1 member A2) is also named as RALDH2(retinal dehydrogenase 2) and belongs to the aldehyde dehydrogenase family. It is a cytosolic homotetramer(56.7 kDa subunits) exhibiting complex expression patterns throughout embryonic development. ALDH1A2 plays a role in retinoid metabolism during embryonic development where it is considered to be the major retinoic acid-synthesizing enzyme during early embryogenesis(PMID:20735668). Its expression is reduced in primary prostate tumors compared with normal prostate tissue suggested that it is normally expressed in the epithelial compartment of prostate tissue(PMID:16166285).It has 2 isoforms produced by alternative splicing.

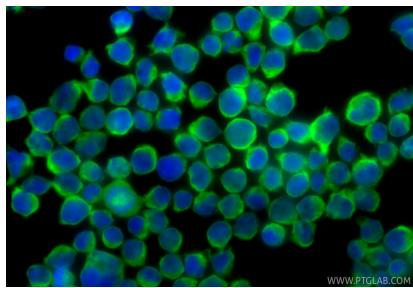
## Storage

**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, pH7.3  
**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 Jurkat cells using CoralLite® Plus 488 ALDH1A2 antibody (CL488-86518, Clone: 251371D10) at dilution of 1:200.