

For Research Use Only

# ALDH9A1 Polyclonal antibody

Catalog Number: 26621-1-AP

2 Publications



## Basic Information

### Catalog Number:

26621-1-AP

### Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG24312

### GenBank Accession Number:

BC151140

### GeneID (NCBI):

223

### UNIPROT ID:

P49189

### Full Name:

aldehyde dehydrogenase 9 family, member A1

### Calculated MW:

518 aa, 56 kDa

### Observed MW:

46 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:100-1:400

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse

### Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB: NIH/3T3 cells, HEK-293 cells

IHC: human liver cancer tissue, human kidney tissue

IF/ICC: HeLa cells,

## Background Information

Aldehyde dehydrogenase 9 family member A1 (ALDH9A1), belongs to the aldehyde dehydrogenase family of proteins. ALDH9A1 has a high activity for oxidation of gamma-aminobutyraldehyde and other amino aldehydes. ALDH9A1 catalyzes the dehydrogenation of gamma-aminobutyraldehyde to gamma-aminobutyric acid. ALDH9A1 has 3 isoforms with the molecular mass of 46-56 kDa.

## Notable Publications

| Author                | Pubmed ID | Journal         | Application |
|-----------------------|-----------|-----------------|-------------|
| Marine C N M Blackman | 36139533  | Cancers (Basel) | WB          |
| Henrick Horita        | 29786648  | Proteomes       | WB          |

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

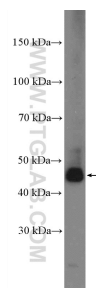
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

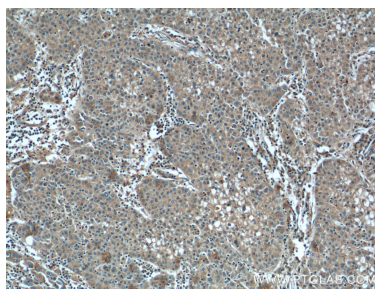
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

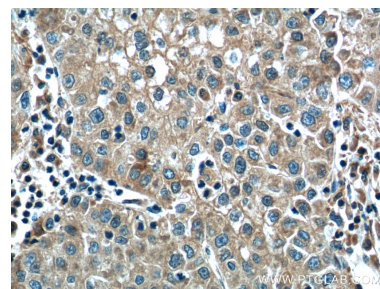
## Selected Validation Data



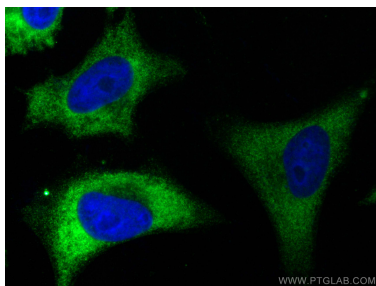
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 26621-1-AP (ALDH9A1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 26621-1-AP (ALDH9A1 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 26621-1-AP (ALDH9A1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using ALDH9A1 antibody (26621-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).