

For Research Use Only

# ALDH5A1 Polyclonal antibody

Catalog Number: 17319-1-AP

Featured Product

3 Publications



## Basic Information

### Catalog Number:

17319-1-AP

### Size:

150ul, Concentration: 500 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG11293

### GenBank Accession Number:

BC034321

### GeneID (NCBI):

7915

### UNIPROT ID:

P51649

### Full Name:

aldehyde dehydrogenase 5 family, member A1

### Calculated MW:

535 aa, 57 kDa

### Observed MW:

51-59 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:500-1:2000

IF 1:50-1:500

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**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: HepG2 cells, mouse liver tissue

IHC: human liver cancer tissue, human liver tissue

IF: A431 cells,

## Notable Publications

Author	Pubmed ID	Journal	Application
Xun Tian	28346042	Cancer Biol Ther	IHC
Xiao-Hui Tang	36565851	Neuropharmacology	WB
Qian Yang	38376420	Aging (Albany NY)	WB, IF

## 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

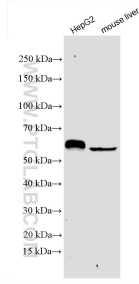
For technical support and original validation data for this product please contact:

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

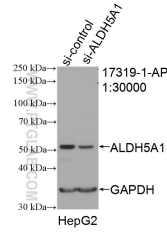
E: proteintech@ptglab.com  
W: ptglab.com

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

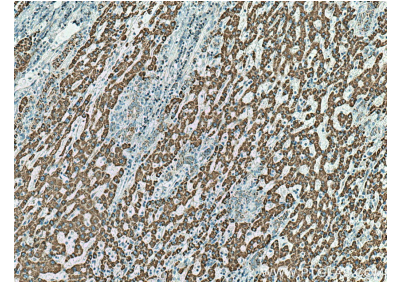
## Selected Validation Data



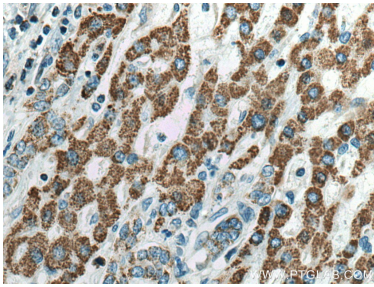
Various lysates were subjected to SDS PAGE followed by western blot with 17319-1-AP (ALDH5A1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



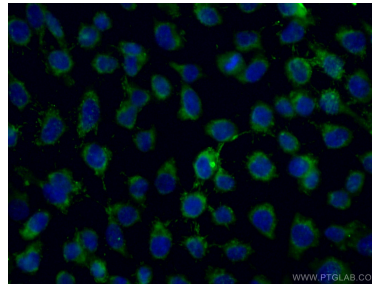
WB result of ALDH5A1 antibody (17319-1-AP; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ALDH5A1 transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 17319-1-AP (ALDH5A1 antibody) at dilution of 1:1000 (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 17319-1-AP (ALDH5A1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using 17319-1-AP (ALDH5A1 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).