

For Research Use Only

# ALDH7A1 Polyclonal antibody

Catalog Number: 10368-1-AP

Featured Product

8 Publications



## Basic Information

### Catalog Number:

10368-1-AP

### Size:

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

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0383

### GenBank Accession Number:

BC002515

### GeneID (NCBI):

501

### UNIPROT ID:

P49419

### Full Name:

aldehyde dehydrogenase 7 family, member A1

### Calculated MW:

55 kDa

### Observed MW:

55 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

IHC 1:250-1:1000

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

**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 kidney tissue, mouse liver tissue, HeLa cells

**IHC:** human ovary tumor tissue,

## Background Information

ALDH7A1 (Alpha-aminoadipic semialdehyde dehydrogenase) is also named as ATQ1 and belongs to the aldehyde dehydrogenase family. It plays a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. This protein has 4 isoforms produced by alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
Deshi Dong	25310017	Food Funct	WB
Xiaolei Zhang	36382280	Chem Sci	WB
Ya-Nan Song	28291813	PLoS One	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

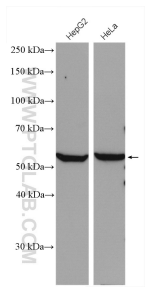
For technical support and original validation data for this product please contact:

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

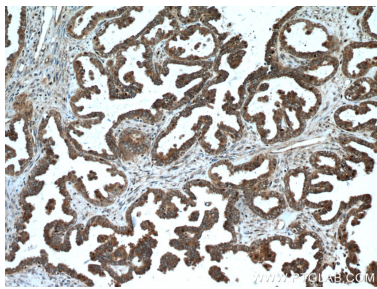
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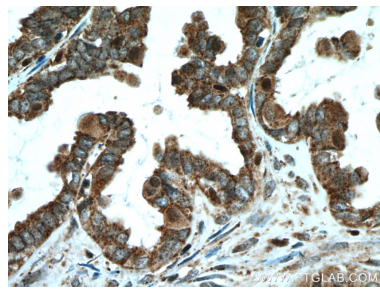
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10368-1-AP (ALDH7A1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 10368-1-AP (ALDH7A1 antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 10368-1-AP (ALDH7A1 antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).