

# ADH7 Polyclonal antibody

Catalog Number: 23425-1-AP

1 Publications

## Basic Information

## Catalog Number:

23425-1-AP

## Size:

900 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG19340

## GenBank Accession Number:

BC131512

## GeneID (NCBI):

131

## UNIPROT ID:

P40394

## Full Name:

alcohol dehydrogenase 7 (class IV),  
mu or sigma polypeptide

## Calculated MW:

386 aa, 41 kDa

## Observed MW:

45-47 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

IF 1:20-1:200

## Applications

## Tested Applications:

IF/ICC, IHC, WB, ELISA

## Cited Applications:

WB

## Species Specificity:

human

## Cited Species:

mouse

## Positive Controls:

WB : HeLa cells, A549 cells, HEK-293 cells

IHC : human liver tissue,

IF : HepG2 cells,

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

## Background Information

ADH7 (Alcohol dehydrogenase class 4 mu/sigma chain) is also named as gastric alcohol dehydrogenase, retinol dehydrogenase and belongs to the zinc-containing alcohol dehydrogenase family. The ubiquitous expression pattern of ADH7 during embryogenesis has led to the notion that the enzymatic conversion of retinol to retinal occurs more or less uniformly and plays no role in the spatial or temporal regulation of RA synthesis during embryonic development (PMID:17473173). It has 2 isoforms produced by alternative splicing and can exist as a homodimer (PMID:18479436).

## Notable Publications

Author	Pubmed ID	Journal	Application
Guanqi Dai	37335109	Aging (Albany NY)	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

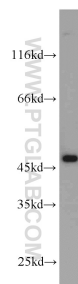
For technical support and original validation data for this product please contact:

T: 4006900926

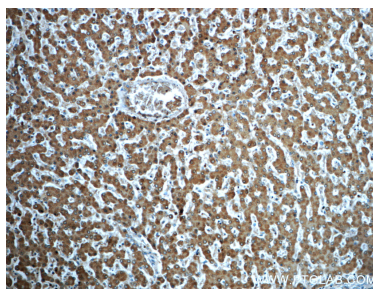
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

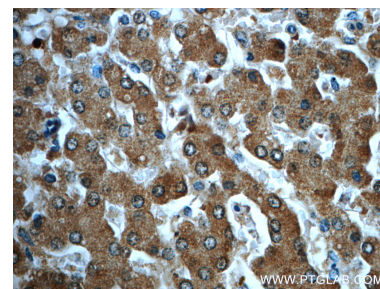
## Selected Validation Data



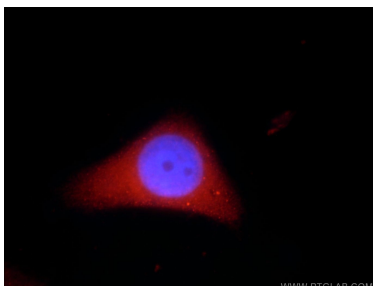
HeLa cells were subjected to SDS PAGE followed by western blot with 23425-1-AP (ADH7 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver slide using 23425-1-AP (ADH7 Antibody) at dilution of 1:50.



Immunohistochemical analysis of paraffin-embedded human liver slide using 23425-1-AP (ADH7 Antibody) at dilution of 1:50.



Immunofluorescent analysis of HepG2 cells, using ADH7 antibody 23425-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).