

For Research Use Only

# ADH4 Polyclonal antibody

Catalog Number: 16474-1-AP

Featured Product

2 Publications



## Basic Information

**Catalog Number:**

16474-1-AP

**Size:**

350 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG9568

**GenBank Accession Number:**

BC022319

**GeneID (NCBI):**

127

**UNIPROT ID:**

P08319

**Full Name:**

alcohol dehydrogenase 4 (class II), pi polypeptide

**Calculated MW:**

380 aa, 40 kDa

**Observed MW:**

43 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, WB, ELISA

**Cited Applications:**

IHC

**Species Specificity:**

human, mouse, rat

**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 : HepG2 cells, mouse brain tissue, HeLa cells, mouse liver tissue, rat liver tissue

IHC : human kidney tissue, human heart tissue

## Background Information

This gene encodes the class II alcohol dehydrogenase 4 pi subunit, which is a member of the alcohol dehydrogenase family. Members of this enzyme family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. Class II alcohol dehydrogenase is a homodimer composed of 2 pi subunits. ADH4 plays a critical role in alcoholism development and alcohol toxicology and is also associated with the development of esophageal cancer (PMID:33556337, 26039424, 24051444, 22147505).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yangying Zhou	36341373	Front Immunol	IHC
Tingbo Ye	35677150	Front Oncol	IHC

## 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:

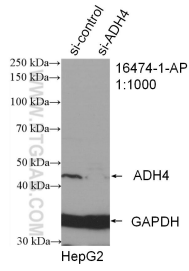
T: 4006900926

E: Proteintech-CN@ptglab.com

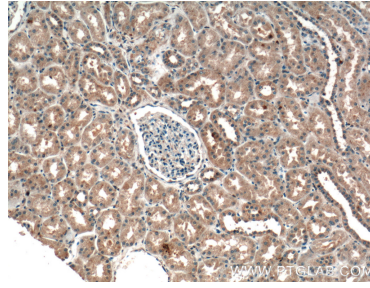
W: ptgcn.com

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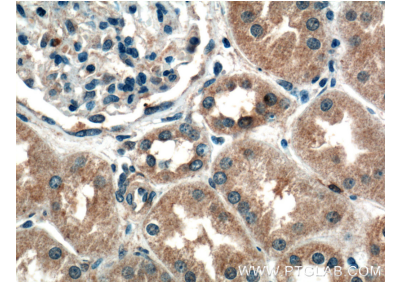
## Selected Validation Data



WB result of ADH4 antibody (16474-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ADH4 transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 16474-1-AP (ADH4 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 16474-1-AP (ADH4 Antibody) at dilution of 1:200 (under 40x lens).