

For Research Use Only

# GSNOR,ADH5 Polyclonal antibody

Catalog Number:16379-1-AP

Featured Product

1 Publications



## Basic Information

### Catalog Number:

16379-1-AP

### Size:

133 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG9360

### GenBank Accession Number:

BC014665

### GeneID (NCBI):

128

### UNIPROT ID:

P11766

### Full Name:

alcohol dehydrogenase 5 (class III),  
chi polypeptide

### Calculated MW:

374 aa, 40 kDa

### Observed MW:

40 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total  
protein lysate

IF 1:20-1:200

## Applications

### Tested Applications:

FC, IF/ICC, IP, WB, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human

### Positive Controls:

WB : mouse liver tissue, human liver tissue, human  
brain tissue, human testis tissue, mouse heart tissue,  
HepG2 cells, mouse brain tissue

IP : mouse liver tissue,

IF : HepG2 cells,

## Background Information

ADH5, also named as ADHX, FDH FALDH GSH-FDH ADH3 and GSNOR, belongs to the zinc-containing alcohol dehydrogenase family and Class-III subfamily. It is remarkably ineffective in oxidizing ethanol, but it readily catalyzes the oxidation of long-chain primary alcohols and the oxidation of S-(hydroxymethyl) glutathione. ADH5 mediates multiple cardiovascular functions. It plays in regulating heterocellular communication in the artery wall. (PMID:21071693). ADH5 immunostaining is distributed in both the nucleus and cytoplasm of the retinal ganglion cells (PMID:22117533).

## Notable Publications

Author	Pubmed ID	Journal	Application
Michele Pietrafesa	31878280	Int J Mol Sci	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:

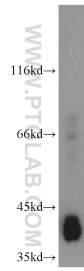
T: 4006900926

E: Proteintech-CN@ptglab.com

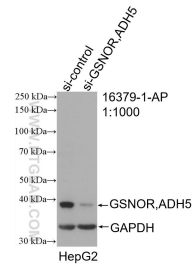
W: ptgcn.com

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

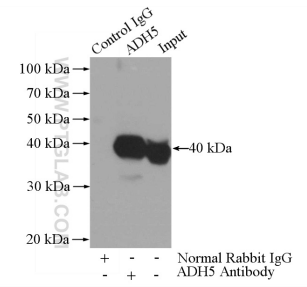
## Selected Validation Data



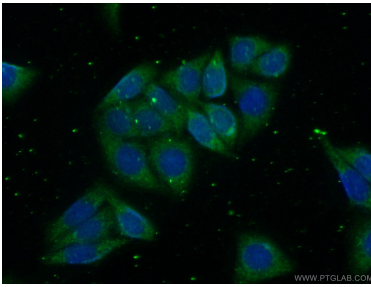
mouse liver tissue were subjected to SDS PAGE followed by western blot with 16379-1-AP (GSNOR,ADH5 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



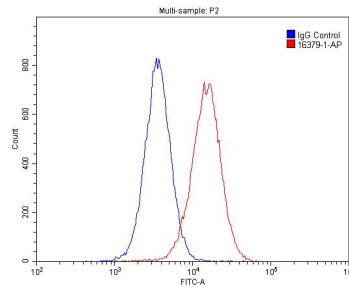
WB result of GSNOR,ADH5 antibody (16379-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-GSNOR,ADH5 transfected HepG2 cells.



IP result of anti-GSNOR,ADH5 (IP:16379-1-AP, 3ug; Detection:16379-1-AP 1:800) with mouse liver tissue lysate 4000ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 16379-1-AP (GSNOR,ADH5 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10<sup>6</sup> HepG2 cells were stained with 0.2ug GSNOR,ADH5 antibody (16379-1-AP, red) and control antibody (blue). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500. Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100.