

For Research Use Only

# GSNOR,ADH5 Monoclonal antibody

Catalog Number:66193-1-Ig

Featured Product

6 Publications



## Basic Information

Catalog Number:

66193-1-Ig

Size:

760 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG9511

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:

Protein A purification

CloneNo.:

5E6E2

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:20-1:200

IF/ICC 1:50-1:500

## Applications

Tested Applications:

IF/ICC, IHC, WB,ELISA

Cited Applications:

WB, IF, CoIP

Species Specificity:

human, mouse, rat, pig

Cited Species:

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 : HuH-7 cells, human testis tissue, HepG2 cells, fetal human brain tissue, pig liver tissue, rat brain tissue, rat liver tissue

IHC : human pancreas cancer tissue, human testis tissue

IF/ICC : 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
Xiangpei Yue	31720368	Alzheimers Dement (N Y)	IF
Rajinikanth Gogiraju	36252109	Arterioscler Thromb Vasc Biol	IF,WB
Xuechao Fei	33328587	Mol Psychiatry	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

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

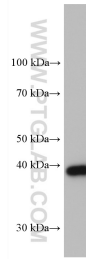
T: 4006900926

E: Proteintech-CN@ptglab.com

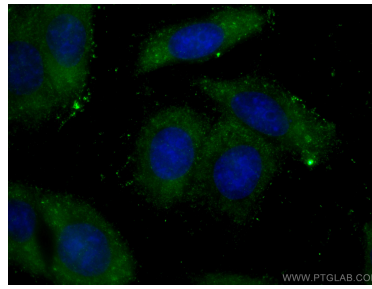
W: ptgcn.com

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

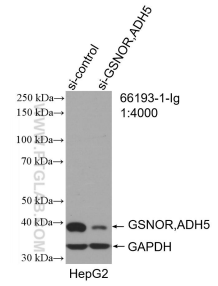
## Selected Validation Data



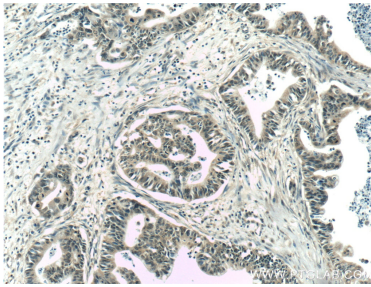
HuH-7 cells were subjected to SDS PAGE followed by western blot with 66193-1-Ig (GSNOR,ADH5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



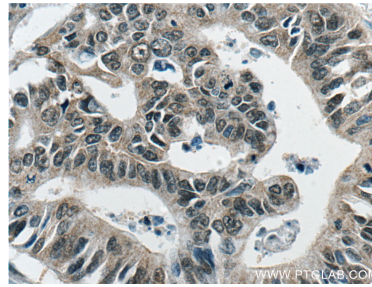
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 66193-1-Ig (GSNOR,ADH5 antibody), at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



WB result of GSNOR,ADH5 antibody (66193-1-Ig; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-GSNOR,ADH5 transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 66193-1-Ig (GSNOR,ADH5 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 66193-1-Ig (GSNOR,ADH5 Antibody) at dilution of 1:50 (under 40x lens).