

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:

150ul, Concentration: 760 ug/ml by Bradford method using BSA as the standard;

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:

WB, IHC, IF/ICC, 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

*** 20ul sizes contain 0.1% BSA

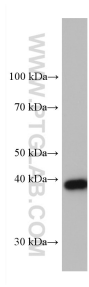
For technical support and original validation data for this product please contact:

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

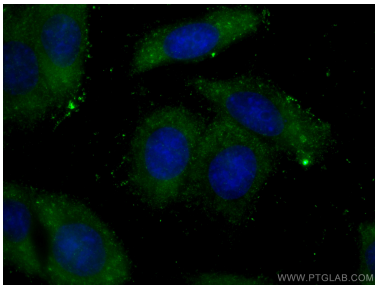
E: proteintech@ptglab.com
W: ptglab.com

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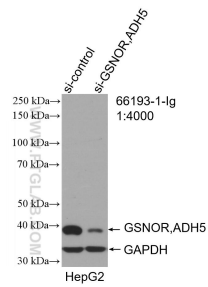
Selected Validation Data



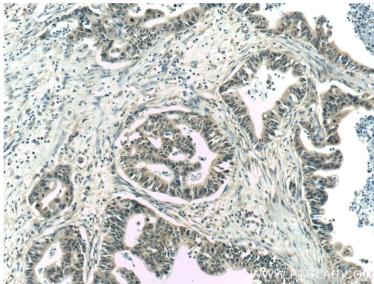
HuH-7 cells were subjected to SDS PAGE followed by western blot with 66193-1-Ig (GSNOR,ADH5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



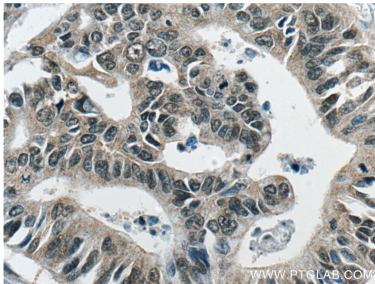
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 66193-1-Ig (GSNOR,ADH5 antibody), at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



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).