

For Research Use Only

GSNOR,ADH5 Monoclonal antibody



Catalog Number: 66193-1-Ig

Featured Product

4 Publications

Basic Information

Catalog Number: 66193-1-Ig	GenBank Accession Number: BC014665	Purification Method: Protein A purification
Size: 150ul , Concentration: 760 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 128	CloneNo.: 5E6E2
Source: Mouse	Full Name: alcohol dehydrogenase 5 (class III), chi polypeptide	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:20-1:200 IF 1:50-1:500
Isotype: IgG1	Calculated MW: 374 aa, 40 kDa	
Immunogen Catalog Number: AG9511	Observed MW: 40 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

IF, WB

Species Specificity:

human, mouse, rat, pig

Cited Species:

mouse, rat

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 : 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

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

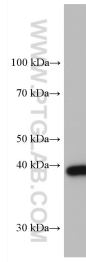
For technical support and original validation data for this product please contact:

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

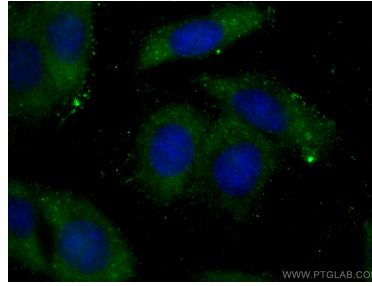
E: proteintech@ptglab.com
W: ptglab.com

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

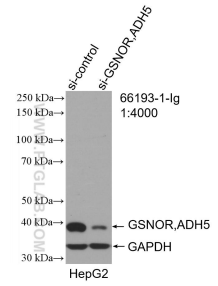
Selected Validation Data



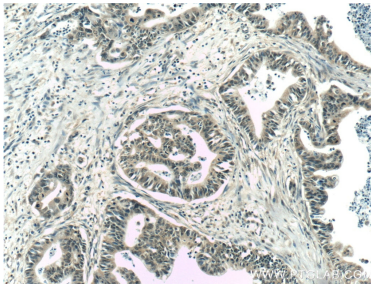
HuH-7 cells were subjected to SDS PAGE followed by western blot with 66193-1-Ig (GSNOR,ADH5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



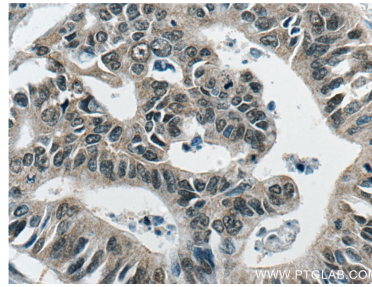
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 66193-1-Ig (GSNOR,ADH5 antibody), at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



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).