

For Research Use Only

GSNOR,ADH5 Monoclonal antibody



Catalog Number: 66193-1-Ig

Featured Product

2 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

Species Specificity:

human, mouse, rat, pig

Cited Species:

mouse

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: 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
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

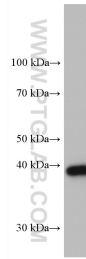
For technical support and original validation data for this product please contact:

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

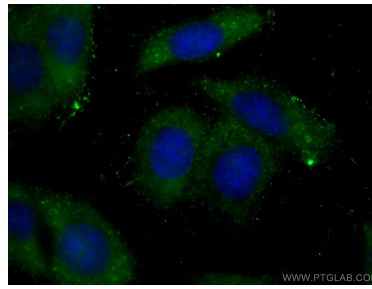
E: proteintech@ptglab.com
W: ptglab.com

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

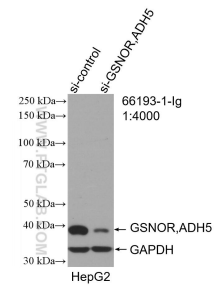
Selected Validation Data



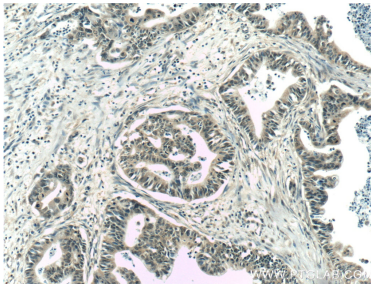
HuH-7 cells were subjected to SDS PAGE followed by western blot with 66193-1-Ig (GSNOR,ADH5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



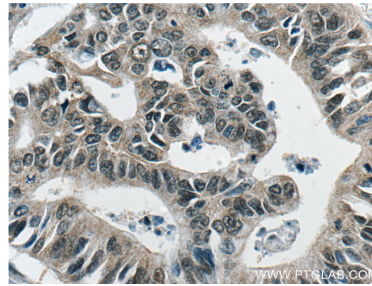
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 66193-1-Ig (GSNOR,ADH5 antibody), at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



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).