

For Research Use Only

GSNOR,ADH5 Polyclonal antibody

Catalog Number:16379-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number: 16379-1-AP	GenBank Accession Number: BC014665	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 170 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 128	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB IF 1:20-1:200
Source: Rabbit	Full Name: alcohol dehydrogenase 5 (class III), chi polypeptide	
Isotype: IgG	Calculated MW: 374 aa, 40 kDa	
Immunogen Catalog Number: AG9360	Observed MW: 40 kDa	

Applications

Tested Applications:

FC, IF, 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 ADH5, 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

*** 20ul sizes contain 0.1% BSA

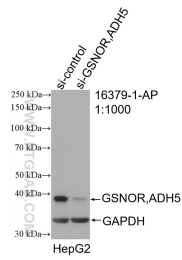
For technical support and original validation data for this product please contact:

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

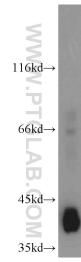
E: proteintech@ptglab.com
W: ptglab.com

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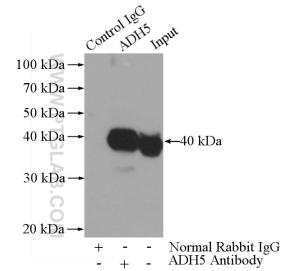
Selected Validation Data



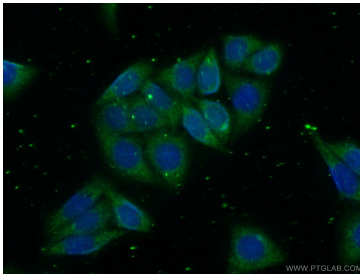
WB result of GSNOR,ADH5 antibody (16379-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-GSNOR,ADH5 transfected HepG2 cells.



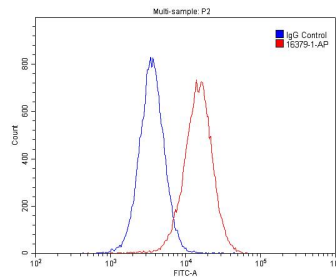
mouse liver tissue were subjected to SDS PAGE followed by western blot with 16379-1-AP (GSNOR,ADH5 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



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).



1×10^6 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.