

For Research Use Only

ALDH5A1 Polyclonal antibody

Catalog Number: 17319-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

17319-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11293

GenBank Accession Number:

BC034321

GeneID (NCBI):

7915

UNIPROT ID:

P51649

Full Name:

aldehyde dehydrogenase 5 family, member A1

Calculated MW:

535 aa, 57 kDa

Observed MW:

51-59 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:500-1:2000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, 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 : HepG2 cells, mouse liver tissue

IHC : human liver cancer tissue, human liver tissue

IF/ICC : A431 cells,

Notable Publications

Author	Pubmed ID	Journal	Application
Xun Tian	28346042	Cancer Biol Ther	IHC
Xiao-Hui Tang	36565851	Neuropharmacology	WB
Yuchen Qin	38759534	Ecotoxicol Environ Saf	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

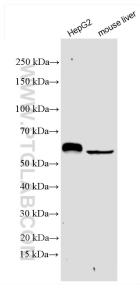
For technical support and original validation data for this product please contact:

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

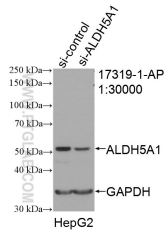
E: proteintech@ptglab.com
W: ptglab.com

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

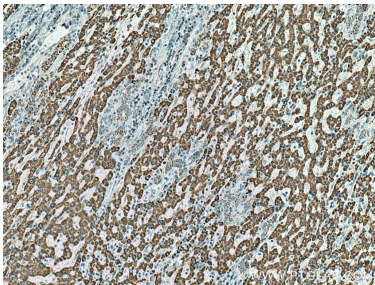
Selected Validation Data



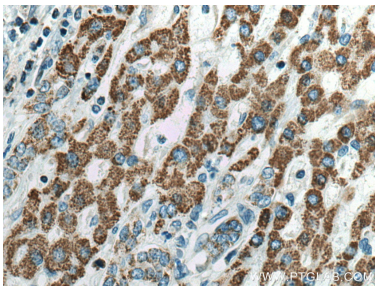
Various lysates were subjected to SDS PAGE followed by western blot with 17319-1-AP (ALDH5A1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



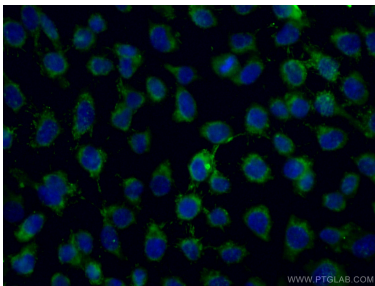
WB result of ALDH5A1 antibody (17319-1-AP; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ALDH5A1 transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 17319-1-AP (ALDH5A1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 17319-1-AP (ALDH5A1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed A431 cells using 17319-1-AP (ALDH5A1 antibody) at dilution of 1:100 and CoraLite488-Conjugated Goat Anti-Rabbit IgG(H+L).