For Research Use Only

ALDH5A1 Monoclonal antibody

Catalog Number:67347-1-Ig Featured Product

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
67347-1-Ig

Size:
150ul , Concentration: 1300 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG11155

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 kDa

Purification Method:
Protein G purification

CloneNo.:
1B9H10

Recommended Dilutions:
WB 1:5000-1:50000
IHC 1:500-1:2000
IF-P 1:200-1:800

Applications

Tested Applications:
WB, IHC, IF-P, FC (Intra), ELISA

Species Specificity:
human, mouse, rat, pig

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 : L02 cells, HepG2 cells, pig brain tissue

IHC : human liver cancer tissue,

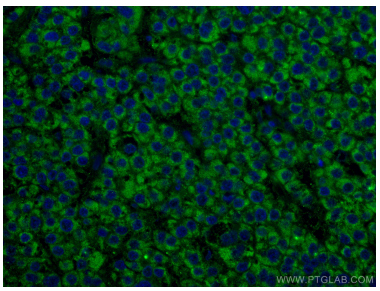
IF-P : human liver cancer tissue,

Storage

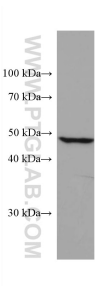
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

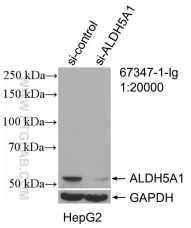
Selected Validation Data



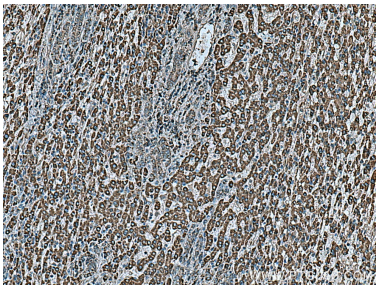
Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using ALDH5A1 antibody (67347-1-Ig, Clone: 1B9H10) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). DAPI (blue).



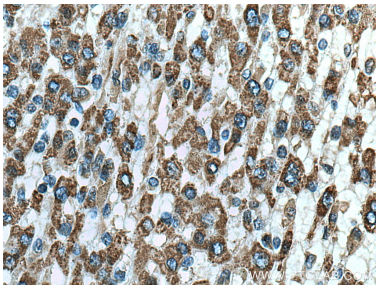
L02 cells were subjected to SDS PAGE followed by western blot with 67347-1-Ig (ALDH5A1 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



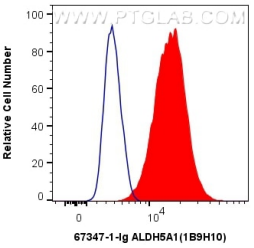
WB result of ALDH5A1 antibody (67347-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ALDH5A1 transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67347-1-Ig (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 67347-1-Ig (ALDH5A1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10^6 A431 cells were intracellularly stained with 0.4 ug Anti-Human ALDH5A1 (67347-1-Ig, Clone:1B9H10) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).