For Research Use Only

ALDH3A2 Polyclonal antibody

Catalog Number:15090-1-AP 7 Publications

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Basic Information

Catalog Number:
15090-1-AP

Size:
150ul , Concentration: 280 µg/ml by Nanodrop and 280 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG1687

GenBank Accession Number:
BC002430

GeneID (NCBI):
224

UNIPROT ID:
P51648

Full Name:
aldehyde dehydrogenase 3 family, member A2

Calculated MW:
55 kDa

Observed MW:
50-57 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:4000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500
IF/ICC 1:10-1:100

Applications

Tested Applications:
WB, IHC, IF/ICC, IP, ELISA

Cited Applications:
WB, IHC

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat

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 : HEK-293T cells, mouse liver tissue, rat liver tissue

IP : HEK-293 cells,

IHC : human liver cancer tissue,

IF/ICC : Hela cells,

Notable Publications

Author	Pubmed ID	Journal	Application
Wei Chen	31565850	J Cell Mol Med	IHC
Pamela A Young	30190326	J Biol Chem	WB
Kristian Nzogang Fomo	36313990	Front Med (Lausanne)	

Storage

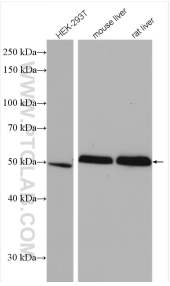
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

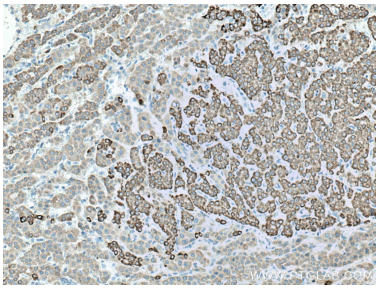
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

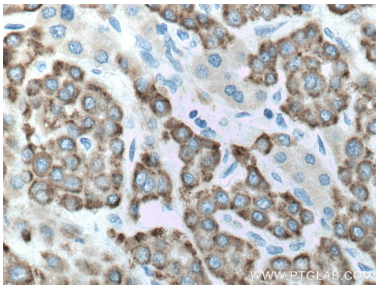
Selected Validation Data



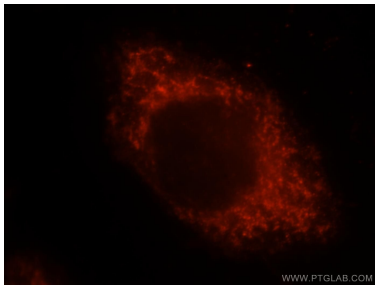
Various lysates were subjected to SDS PAGE followed by western blot with 15090-1-AP (ALDH3A2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



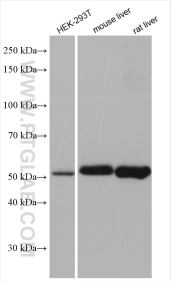
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15090-1-AP (ALDH3A2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



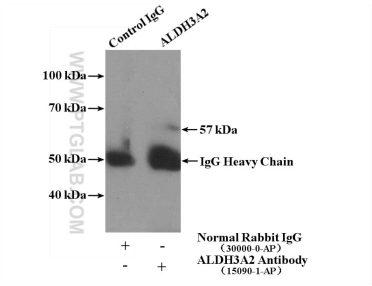
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15090-1-AP (ALDH3A2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



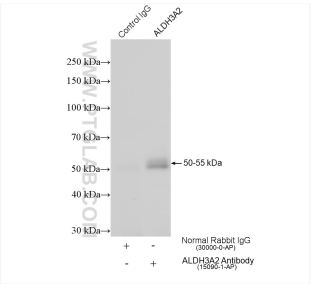
Immunofluorescent analysis of Hela cells, using ALDH3A2 antibody 15090-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Various lysates were subjected to SDS PAGE followed by western blot with 15090-1-AP (ALDH3A2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-ALDH3A2 (IP:15090-1-AP, 4ug; Detection:15090-1-AP 1:1000) with HEK-293 cells lysate 3000ug.



IP result of anti-ALDH3A2 (IP:15090-1-AP, 4ug; Detection:15090-1-AP 1:6000) with HEK-293 cells lysate 680 ug.

Immunofluorescent analysis of (4% PFA) fixed HeLa cells using ALDH3A2 antibody (15090-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).