

For Research Use Only

ALDH9A1 Polyclonal antibody

Catalog Number: 26621-1-AP

2 Publications



Basic Information

| | | |
|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Catalog Number: 26621-1-AP | GenBank Accession Number: BC151140 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 650 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 223 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:100-1:400 IF 1:50-1:500 |
| Source: Rabbit | Full Name: aldehyde dehydrogenase 9 family, member A1 | |
| Isotype: IgG | Calculated MW: 518 aa, 56 kDa | |
| Immunogen Catalog Number: AG24312 | Observed MW: 46 kDa | |

Applications

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|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Tested Applications: IF, IHC, WB, ELISA | Positive Controls: WB : NIH/3T3 cells, HEK-293 cells IHC : human liver cancer tissue, human kidney tissue IF : HeLa cells, |
| Cited Applications: WB | |
| Species Specificity: human, mouse | |
| Cited Species: human | |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | |

Background Information

Aldehyde dehydrogenase 9 family member A1 (ALDH9A1), belongs to the aldehyde dehydrogenase family of proteins. ALDH9A1 has a high activity for oxidation of gamma-aminobutyraldehyde and other amino aldehydes. ALDH9A1 catalyzes the dehydrogenation of gamma-aminobutyraldehyde to gamma-aminobutyric acid. ALDH9A1 has 3 isoforms with the molecular mass of 46-56 kDa.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------------------|-----------|-----------------|-------------|
| Marine C N M Blackman | 36139533 | Cancers (Basel) | WB |
| Henrick Horita | 29786648 | Proteomes | WB |

Storage

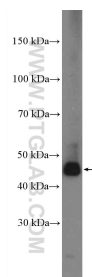
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

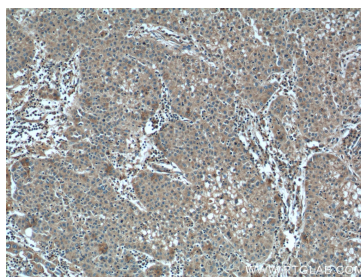
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

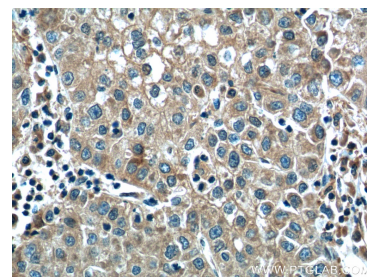
Selected Validation Data



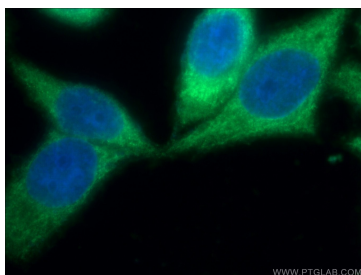
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 26621-1-AP (ALDH9A1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 26621-1-AP (ALDH9A1 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 26621-1-AP (ALDH9A1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 26621-1-AP (ALDH9A1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).