

For Research Use Only

ALDH1A3 Polyclonal antibody

Catalog Number: 29373-1-AP **1 Publications**



Basic Information

| | | |
|---|---|--|
| Catalog Number: 29373-1-AP | GenBank Accession Number: BC069274 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 700 µg/ml by Nanodrop; | GeneID (NCBI): 220 | Recommended Dilutions: WB 1:500-1:3000 IHC 1:50-1:500 |
| Source: Rabbit | Full Name: aldehyde dehydrogenase 1 family, member A3 | |
| Isotype: IgG | Calculated MW: 512 aa, 56 kDa | |
| Immunogen Catalog Number: AG31100 | Observed MW: 56 kDa | |

Applications

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|--|--|
| Tested Applications: IHC, WB, ELISA | Positive Controls: WB : mouse liver tissue, rat liver tissue IHC : human liver cancer tissue, |
| Cited Applications: IHC, WB | |
| Species Specificity: Human, mouse, rat | |
| 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

ALDH1A3 is the predominant ALDH isozyme that participates in various physiological processes in human cells. Growing evidence has shown that ALDH1A3 exhibits high activity in cancer stem cells (CSCs) and influences a diverse range of biological characteristics within these cells. (PMID: 30958800, PMID: 32612951)

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------|-----------|-----------------------|-------------|
| Minghao Xu | 35986343 | J Exp Clin Cancer Res | WB, IHC |

Storage

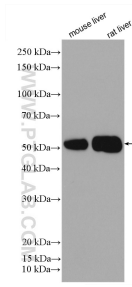
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

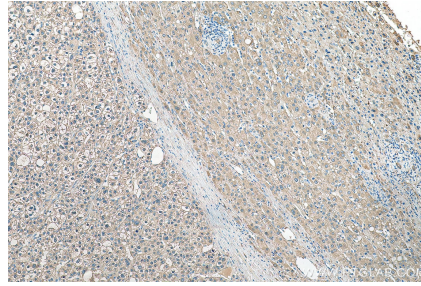
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29373-1-AP (ALDH1A3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 29373-1-AP (ALDH1A3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).