

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: 700 µg/ml	GeneID (NCBI): 220	Recommended Dilutions: WB 1:500-1:3000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P47895	
Isotype: IgG	Full Name: aldehyde dehydrogenase 1 family, member A3	
Immunogen Catalog Number: AG31100	Calculated MW: 512 aa, 56 kDa	
	Observed MW: 56 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB: mouse liver tissue, rat liver tissue
Cited Applications: IHC, WB	IHC: human liver cancer tissue,
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

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

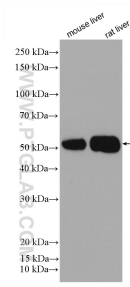
T: 4006900926

E: Proteintech-CN@ptglab.com

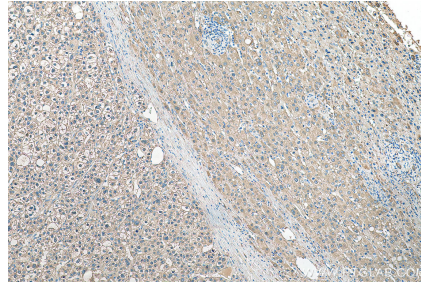
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Selected Validation Data



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).