

For Research Use Only

ALDH1A3 Polyclonal antibody

Catalog Number: 29373-1-AP

1 Publications



Basic Information

Catalog Number:

29373-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31100

GenBank Accession Number:

BC069274

GeneID (NCBI):

220

UNIPROT ID:

P47895

Full Name:

aldehyde dehydrogenase 1 family, member A3

Calculated MW:

512 aa, 56 kDa

Observed MW:

56 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

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

Positive Controls:

WB: mouse liver tissue, rat liver tissue

IHC: human liver cancer tissue,

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

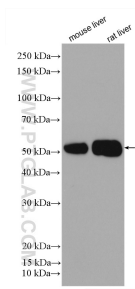
For technical support and original validation data for this product please contact:

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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).