

For Research Use Only

ALDH3B1 Polyclonal antibody

Catalog Number: 19446-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

19446-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 347 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7025

GenBank Accession Number:

BC002553

GeneID (NCBI):

221

UNIPROT ID:

P43353

Full Name:

aldehyde dehydrogenase 3 family, member B1

Calculated MW:

52 kDa

Observed MW:

55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human, mouse

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: RAW 264.7 cells,

IHC: human lung cancer tissue, human renal cell carcinoma tissue

Background Information

ALDH3B1 (Aldehyde dehydrogenase family 3 member B1) is also named as ALDH7 and belongs to the aldehyde dehydrogenase family. It catalyzes fatty and aromatic aldehydes. ALDH3B1 may play a role in the detoxification of aldehydes produced during oxidative stress. This protein has 2 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Carlos J Diaz Osterman	31478830	Elife	WB
Zhenjie Wu	36327089	Cell Stress Chaperones	WB
Zeyu Wang	35116021	Front Immunol	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

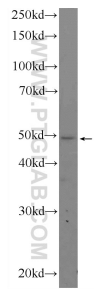
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

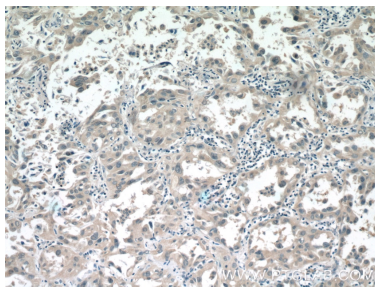
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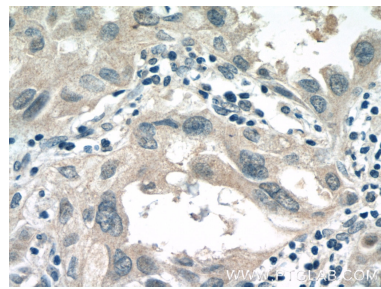
Selected Validation Data



RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 19446-1-AP (ALDH3B1 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 19446-1-AP (ALDH3B1 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 19446-1-AP (ALDH3B1 Antibody) at dilution of 1:50 (under 40x lens).