

For Research Use Only

# ALDH3B2 Polyclonal antibody

Catalog Number: 15746-1-AP

Featured Product

1 Publications



## Basic Information

<b>Catalog Number:</b> 15746-1-AP	<b>GenBank Accession Number:</b> BC007685	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop and 327 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 222	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200 IF 1:10-1:100
<b>Source:</b> Rabbit	<b>Full Name:</b> aldehyde dehydrogenase 3 family, member B2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 395 aa, 43 kDa	
<b>Immunogen Catalog Number:</b> AG8197	<b>Observed MW:</b> 43 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IHC, WB	<b>WB :</b> mouse lung tissue, BxPC-3 cells, HepG2 cells
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human adrenal gland tissue,
<b>Cited Species:</b> human	<b>IF :</b> HeLa cells,

**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

ALDH3B2(aldehyde dehydrogenase family 3 member B2) is also named as ALDH8(aldehyde dehydrogenase 8) and belongs to the aldehyde dehydrogenase family. The ALDH3B2 gene contains an in-frame stop codon at the seventeenth codon position from the first methionine, suggesting that ALDH3B2 may be a pseudogene(PMID:15237855) and encodes the human salivary gland and placental ALDH(PMID: 22206977). This protein shares 83% sequence identity with ALDH3B1(PMID:18611112).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yue Wang	34907179	Cell Death Dis	WB,IHC

## Storage

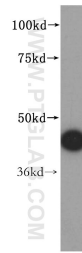
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

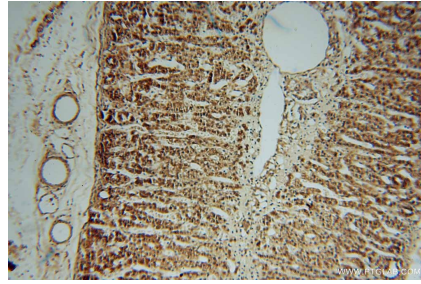
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

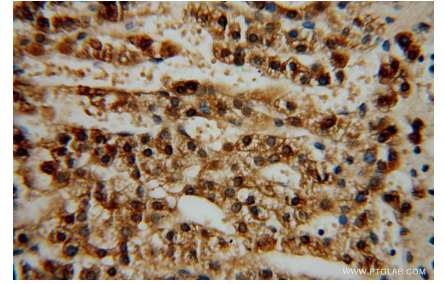
## Selected Validation Data



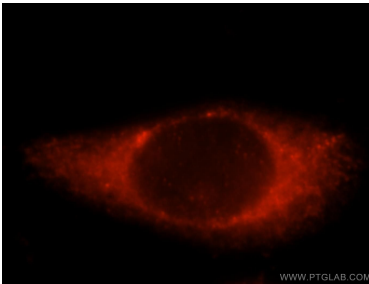
mouse lung tissue were subjected to SDS PAGE followed by western blot with 15746-1-AP (ALDH3B2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human adrenal gland using 15746-1-AP (ALDH3B2 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human adrenal gland using 15746-1-AP (ALDH3B2 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HeLa cells, using ALDH3B2 antibody 15746-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).