

## ALDH1A1 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP00358
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the N-terminal region of human ALDH1A1. AA range:21-70
<b>Mol wt</b>	54862
<b>Species reactivity</b>	Human
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	ALDH1A1 Antibody
<b>Synonyms</b>	ALDH1A1; ALDC; ALDH1; PUMB1; Retinal dehydrogenase 1; RALDH 1; RalDH1; ALDH-E1; ALHDII; Aldehyde dehydrogenase family 1 member A1; Aldehyde dehydrogenase, cytosolic

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

Retinal dehydrogenase 1 encoded by ALDH1A1 belongs to the aldehyde dehydrogenase family. Aldehyde dehydrogenase is the next enzyme after alcohol dehydrogenase in the major pathway of alcohol metabolism. There are two major aldehyde dehydrogenase isozymes in the liver, cytosolic and mitochondrial, which are encoded by distinct genes, and can be distinguished by their electrophoretic mobility, kinetic properties, and subcellular localization. This gene encodes the cytosolic isozyme. Studies in mice show that through its role in retinol metabolism, this gene may also be involved in the regulation of the metabolic responses to high-fat diet.

### Recommended Dilution

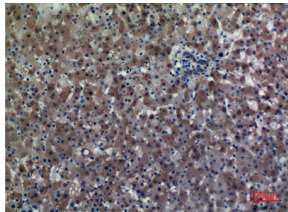
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 300

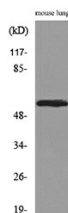
ELISA: 1: 20000

Not yet tested in other applications.

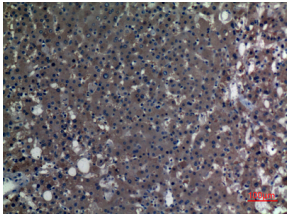
### Images



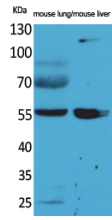
Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100



Western blot analysis of lysate from mouse lung, using ALDH1A1 Antibody.



Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100



Western Blot analysis of mouse lung, mouse liver cells using ALDH1A1 Polyclonal Antibody.

Secondary antibody was diluted at 1:20000

### Storage

-20°C for one year

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