

# ALDH1A1/2/3 Polyclonal Antibody

Catalog Number:E-AB-13801



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

## Description

<b>Reactivity</b>	Human,Mouse
<b>Immunogen</b>	Recombinant protein of human ALDH1A1/ALDH1A2/ALDH1A3
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.05% sodium azide and 50% glycerol, PH7.4

## Applications Recommended Dilution

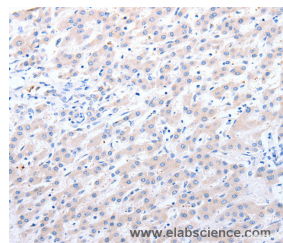
<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:50-1:150

## Data



Western Blot analysis of Mouse liver tissue using ALDH1A1/2/3 Polyclonal Antibody at dilution of 1:400

**Calculated Mw:57kDa**



Immunohistochemistry of paraffin-embedded Human liver cancer using ALDH1A1/2/3 Polyclonal Antibody at dilution of 1:40

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## Background

This protein belongs to the aldehyde dehydrogenase family of proteins. The product of this gene is an enzyme that catalyzes the synthesis of retinoic acid (RA) from retinaldehyde. Retinoic acid, the active derivative of vitamin A (retinol), is a hormonal signaling molecule that functions in developing and adult tissues. The studies of a similar mouse gene suggest that this enzyme and the cytochrome CYP26A1, concurrently establish local embryonic retinoic acid levels which facilitate posterior organ development and prevent spina bifida. Four transcript variants encoding distinct isoforms have been identified for this gene.

## For Research Use Only

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