

## ALDH1/ALDH1A1/ALDC Monoclonal Antibody

**catalog number: AN200041P**

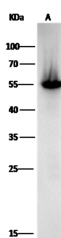
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Human ALDH1 protein
<b>Host</b>	Mouse
<b>Isotype</b>	IgG1
<b>Clone</b>	11A4
<b>Purification</b>	Protein A
<b>Buffer</b>	0.2 µm filtered solution in PBS

### Applications Recommended Dilution

<b>WB</b>	1:500-1:2000
<b>FCM</b>	1:25-1:100
<b>ICC/IF</b>	1:20-1:100



Western Blot with ALDH1 / ALDH1A1 / ALDC Monoclonal

Antibody at dilution of 1:500. Lane A: HepG2 Whole Cell

Lysate, Lysates/proteins at 30 µg per lane.

**Observed-MW:55 kDa**

**Calculated-MW:55 kDa**

### Preparation & Storage

<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Shipping</b>	Ice bag

### Background

The protein encoded by this gene 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.

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