

#### **ALDH1B1** Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP50668

### **Specification**

### **ALDH1B1 Antibody - Product Information**

Application WB
Primary Accession P30837
Host Rabbit
Clonality Polyclonal
Calculated MW 57 KDa
Antigen Region 330-356

## **ALDH1B1 Antibody - Additional Information**

#### Gene ID 219

#### **Other Names**

Aldehyde dehydrogenase X, mitochondrial, Aldehyde dehydrogenase 5, Aldehyde dehydrogenase family 1 member B1, ALDH1B1, ALDH5, ALDHX

#### **Dilution**

WB~~1:1000

#### **Format**

Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

# **Storage Conditions**

-20°C

### **ALDH1B1 Antibody - Protein Information**

# Name ALDH1B1

Synonyms ALDH5, ALDHX

#### **Function**

ALDHs play a major role in the detoxification of alcohol- derived acetaldehyde. They are involved in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation.

#### **Cellular Location**

Mitochondrion matrix.

### **Tissue Location**

Liver, testis and to a lesser extent in brain.



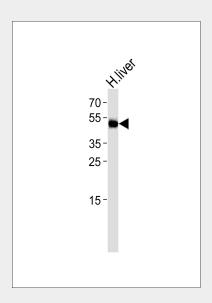
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## **ALDH1B1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## **ALDH1B1 Antibody - Images**



blot analysis of lysate from human liver tissue lysate, using ALDH1B1 Antibody(AP50668). AP50668 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

### ALDH1B1 Antibody - Background

ALDHs play a major role in the detoxification of alcohol-derived acetaldehyde. They are involved in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation.

# **ALDH1B1 Antibody - References**

Hsu L.C., et al.J. Biol. Chem. 266:12257-12265(1991). Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases. Ota T., et al. Nat. Genet. 36:40-45(2004). Humphray S.I., et al. Nature 429:369-374(2004). Burkard T.R., et al. BMC Syst. Biol. 5:17-17(2011).