

### A Reliable Research Partner in Life Science and Medicine

# **Recombinant ALDH7A1 Monoclonal Antibody**

catalog number: AN301848L

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

#### **Description**

Reactivity Human;Rat;Mouse

Immunogen Recombinant human ALDH7A1 fragment

 Host
 Rabbit

 Isotype
 IgG, κ

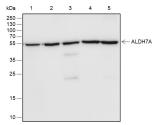
 Clone
 A560

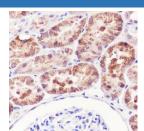
Purification Protein A purified

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution	
WB	1:1000-1:5000	
IHC	1:200-1:1000	
IF	1:50	
FCM	1:50-1:100	
IP	1:50-1:100	

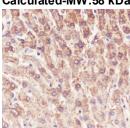
#### **Data**

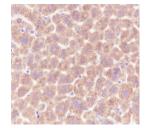




Western Blot with ALDH7A1 Monoclonal Antibody at dilution Immunohistochemistry of paraffin-embedded Human kidney of 1:5000. Lane 1: HeLa, Lane 2: HepG2, Lane 3: Human using ALDH7A1 Monoclonal Antibody at dilution of 1:1000. liver, Lane 4: Mouse liver, Lane 5: Rat liver

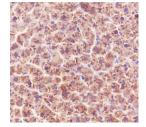
Observed-MW:55 kDa Calculated-MW:58 kDa

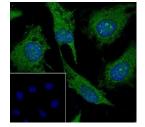




Immunohistochemistry of paraffin-embedded Human liver using ALDH7A1 Monoclonal Antibody at dilution of 1:1000.

Immunohistochemistry of paraffin-embedded Mouse liver using ALDH7A1 Monoclonal Antibody at dilution of 1:1000.





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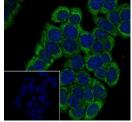
# Elabscience®

### **Elabscience Bionovation Inc.**

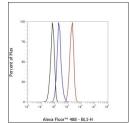
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Immunohistochemistry of paraffin-embedded Rat liver using ALDH7A1 Monoclonal Antibody at dilution of 1:1000.

Immunofluorescent analysis of (100% Ice-cold methanol) fixed HeLa cells using anti-ALDH7A1 Monoclonal Antibody at dilution of 1:50.



Immunofluorescent analysis of (100% Ice-cold methanol) fixed HT-29 cells using anti-ALDH7A1 Monoclonal Antibody at dilution of 1:50.



Flow cytometric analysis of human ALDH7A1 expression on HeLa cells. Cells were stained with purified anti-Human ALDH7A1, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

## **Preparation & Storage**

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

# **Background**

ALDH7A1(Alpha-aminoadipic semialdehyde dehydrogenase), also named as ATQ1, belongs to the aldehyde dehydrogenase family. It plays a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. This protein has 4 isoforms produced by alternative splicing.