Recombinant ALDH7A1 Monoclonal Antibody

catalog number: **AN301848L**

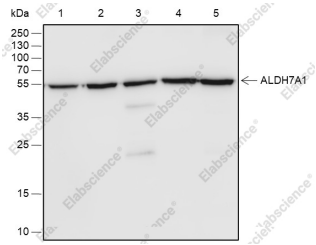
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant human ALDH7A1 fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C111470
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

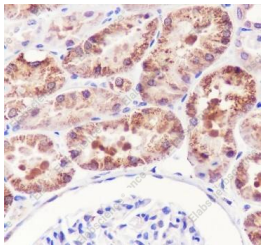
Data



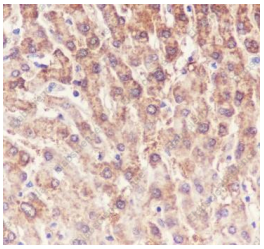
Western Blot with ALDH7A1 Monoclonal Antibody at dilution of 1:5000. Lane 1: HeLa, Lane 2: HepG2, Lane 3: Human liver, Lane 4: Mouse liver, Lane 5: Rat liver

Observed-MW:55 kDa

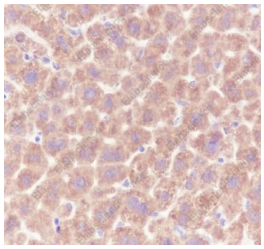
Calculated-MW:58 kDa



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



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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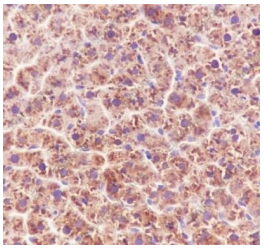
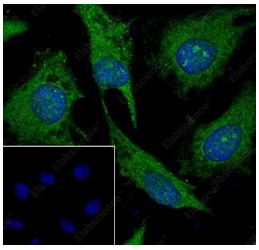
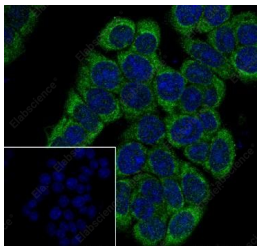


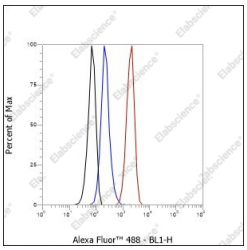
Immunohistochemistry of paraffin-embedded Rat liver using ALDH7A1 Monoclonal Antibody at dilution of 1:1000.



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.

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