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**Product Name: ALDH7A1 Rabbit Monoclonal Antibody****Catalog #: AMRe85270**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ICC,IP
<b>Reactivity</b>	Human,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.62mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,ICC 1:50-1:200,IP 1:10-1:20
<b>Molecular Weight</b>	Calculated MW: 58 kDa; Observed MW: 58 kDa

**Antigen Information**

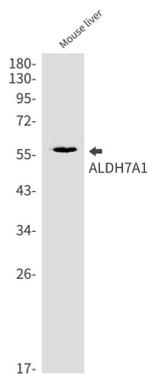
<b>Gene Name</b>	ALDH7A1
<b>Alternative Names</b>	aldehyde dehydrogenase 7 family member A1; EPD; PDE; ATQ1
<b>Gene ID</b>	501.0
<b>SwissProt ID</b>	P49419
<b>Immunogen</b>	A synthetic peptide of human ALDH7A1

**Background**

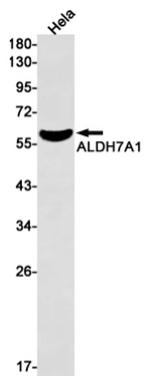
Multifunctional enzyme mediating important protective effects. Metabolizes betaine aldehyde to betaine, an important cellular osmolyte and methyl donor. Protects cells from oxidative stress by metabolizing a number of lipid peroxidation-derived aldehydes. Involved in lysine catabolism.

## Research Area

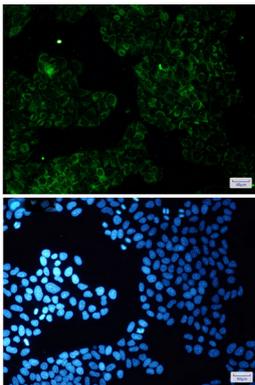
## Image Data



Western blot analysis of ALDH7A1 in mouse liver lysates using ALDH7A1 antibody.



Western blot analysis of ALDH7A1 in HeLa lysates using ALDH7A1 antibody.



Immunocytochemistry analysis of ALDH7A1(green) in HeLa using ALDH7A1 antibody, and DAPI(blue)