

**ALDH1A1 rabbit pAb****Cat#: orb766762 (Manual)**

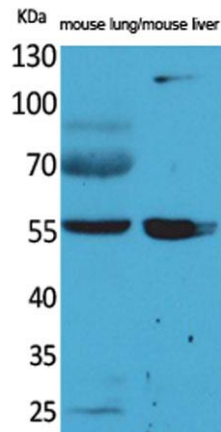
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<b>Product Name</b>	ALDH1A1 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the N-terminal region of human ALDH1A1. AA range:21-70
<b>Specificity</b>	ALDH1A1 Polyclonal Antibody detects endogenous levels of ALDH1A1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Retinal dehydrogenase 1
<b>Gene Name</b>	ALDH1A1
<b>Cellular localization</b>	Cytoplasm, cytosol . Cell projection, axon .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

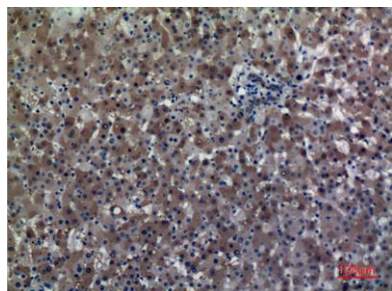
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	55kD
<b>Human Gene ID</b>	216
<b>Human Swiss-Prot Number</b>	P00352
<b>Alternative Names</b>	ALDH1A1; ALDC; ALDH1; PUMB1; Retinal dehydrogenase 1; RALDH 1; RalDH1; ALDH-E1; ALHDII; Aldehyde dehydrogenase family 1 member A1; Aldehyde dehydrogenase, cytosolic

### Background

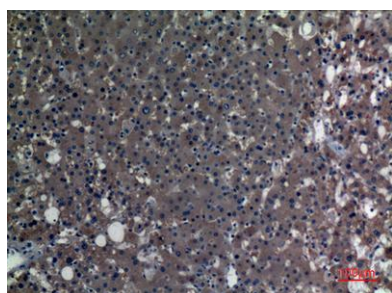
The protein encoded by this gene belongs to the aldehyde dehydrogenase family. Aldehyde dehydrogenase is the next enzyme after alcohol dehydrogenase in the major pathway of alcohol metabolism. There are two major aldehyde dehydrogenase isozymes in the liver, cytosolic and mitochondrial, which are encoded 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. [provided by RefSeq, Mar 2011],



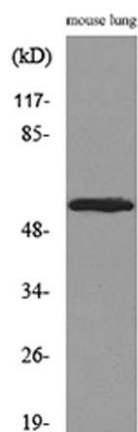
**Western Blot analysis of mouse lung, mouse liver cells using ALDH1A1 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000**



**Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100**



**Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100**



**Western blot analysis of lysate from mouse lung, using ALDH1A1 Antibody.**