

## ALDH1B1 Polyclonal Antibody

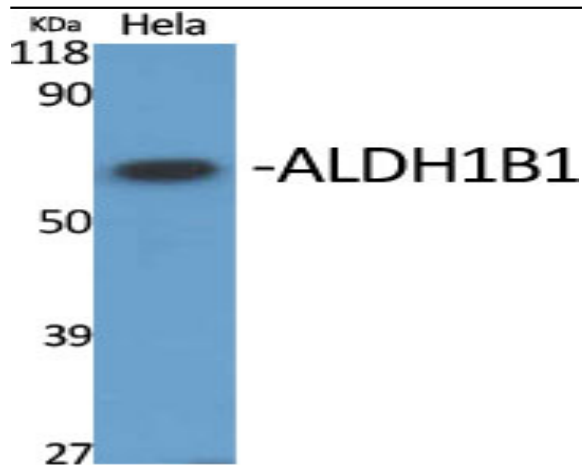
<b>Catalog No :</b>	YT0189
<b>Reactivity :</b>	Human;Monkey
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	ALDH1B1
<b>Fields :</b>	>>Glycolysis / Gluconeogenesis;>>Ascorbate and aldarate metabolism;>>Fatty acid degradation;>>Valine, leucine and isoleucine degradation;>>Lysine degradation;>>Arginine and proline metabolism;>>Histidine metabolism;>>Tryptophan metabolism;>>beta-Alanine metabolism;>>Glycerolipid metabolism;>>Pyruvate metabolism;>>Pantothenate and CoA biosynthesis;>>Metabolic pathways;>>Biosynthesis of cofactors;>>Alcoholic liver disease
<b>Gene Name :</b>	ALDH1B1
<b>Protein Name :</b>	Aldehyde dehydrogenase X mitochondrial
<b>Human Gene Id :</b>	219
<b>Human Swiss Prot No :</b>	P30837
<b>Mouse Swiss Prot No :</b>	Q9CZS1
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human ALDH1B1. AA range:311-360
<b>Specificity :</b>	ALDH1B1 Polyclonal Antibody detects endogenous levels of ALDH1B1 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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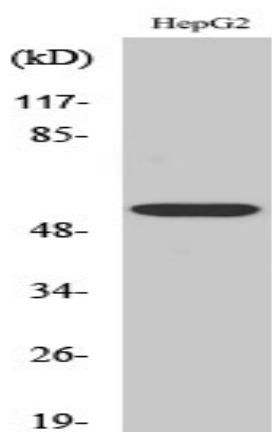
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	57kD
<b>Cell Pathway :</b>	Glycolysis / Gluconeogenesis;Ascorbate and aldarate metabolism;Fatty acid metabolism;Valine; leucine and isoleucine degradation;Lysine degradation;Arginine and proline metabolism;Histidine metabolism;
<b>Background :</b>	This protein belongs to the aldehyde dehydrogenases family of proteins. Aldehyde dehydrogenase is the second enzyme of the major oxidative pathway of alcohol metabolism. This gene does not contain introns in the coding sequence. The variation of this locus may affect the development of alcohol-related problems. [provided by RefSeq, Jul 2008],
<b>Function :</b>	catalytic activity:An aldehyde + NAD(+) + H(2)O = an acid + NADH.,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.,pathway:Alcohol metabolism; ethanol degradation; acetate from ethanol: step 2/2.,similarity:Belongs to the aldehyde dehydrogenase family.,subunit:Homotetramer.,tissue specificity:Liver, testis and to a lesser extent in brain.,
<b>Subcellular Location :</b>	Mitochondrion matrix.
<b>Expression :</b>	Liver, testis and to a lesser extent in brain.
<b>Sort :</b>	1886
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

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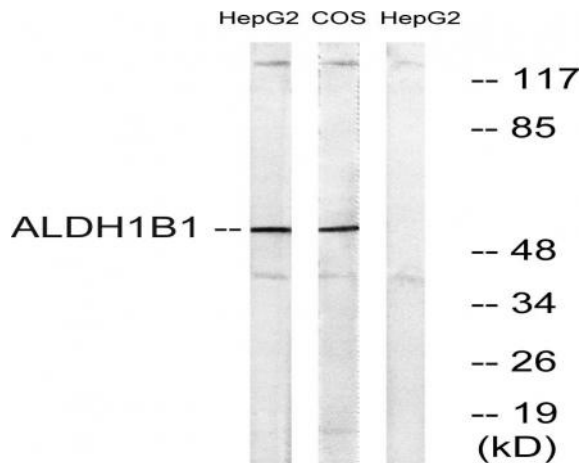
## Products Images



Western Blot analysis of various cells using ALDH1B1 Polyclonal Antibody diluted at 1:1000



Western Blot analysis of COS7 cells using ALDH1B1 Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from HepG2 and COS cells, using ALDH1B1 Antibody. The lane on the right is blocked with the synthesized peptide.