



ALDH1B1 Monoclonal Antibody

Catalog No	YP-mAb-02490
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	ALDH1B1
Immunogen	The antiserum was produced against synthesized peptide derived from human ALDH1B1. AA range:311-360
Specificity	ALDH1B1 Monoclonal Antibody detects endogenous levels of ALDH1B1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EC:1.2.1.3;ALDHX;ALDH5;Aldehyde dehydrogenase X;mitochondrial;Aldehyde dehydrogenase 5;ALDH1B1;Aldehyde dehydrogenase X mitochondrial; Aldehyde dehydrogenase family 1 member B1
Observed Band	57kD
Calculated Molecular Weight	57kD
Cell Pathway	Mitochondrion matrix.
Tissue Specificity	Liver, testis and to a lesser extent in brain.
Function	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.,



Background

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],

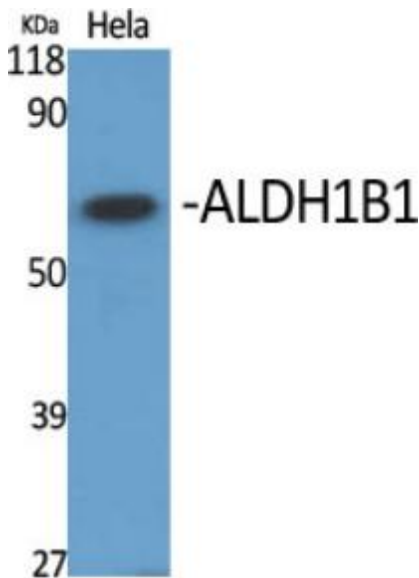
matters needing attention

Avoid repeated freezing and thawing!

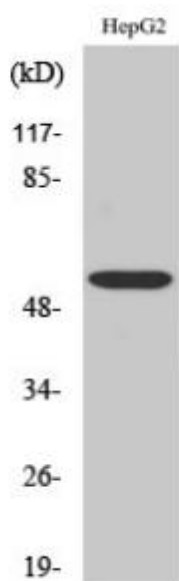
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

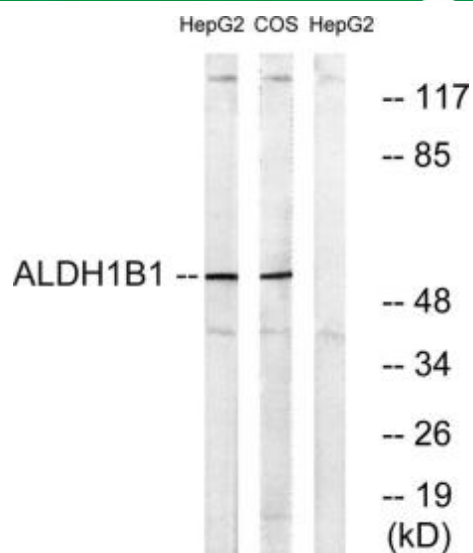
Products Images



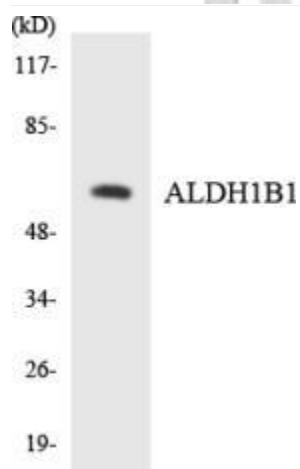
Western Blot analysis of various cells using ALDH1B1 Monoclonal Antibody diluted at 1:1000



Western Blot analysis of COS7 cells using ALDH1B1 Monoclonal 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.



Western blot analysis of the lysates from HepG2 cells using ALDH1B1 antibody.