Product Name: ALDH1B1 Rabbit Polyclonal Antibody
Catalog #: APRab06760

Summary

Production Name	ALDH1B1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,
Reactivity	Human,Monkey

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	ALDH1B1
Alternative Names	ALDH1B1; ALDH5; ALDHX; Aldehyde dehydrogenase X; mitochondrial; Aldehyde dehydrogenase 5; Aldehyde dehydrogenase family 1 member B1
Gene ID	219.0
SwissProt ID	P30837.The antiserum was produced against synthesized peptide derived from human ALDH1B1. AA range:311-360

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
Molecular Weight	57kD

Product Name: ALDH1B1 Rabbit Polyclonal Antibody
Catalog #: APRab06760

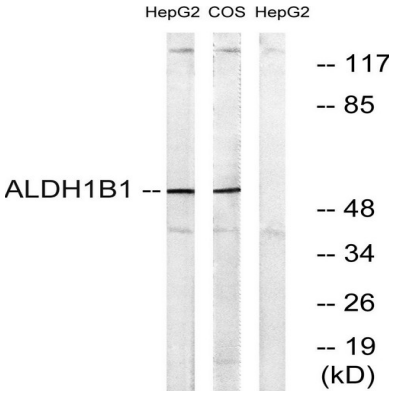
Background

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],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.,

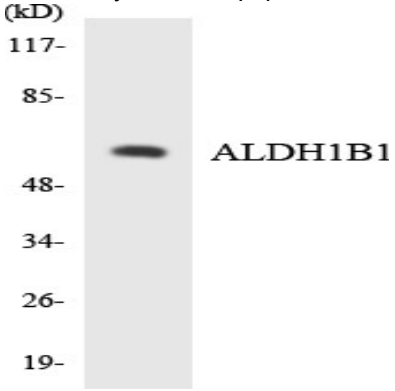
Research Area

Glycolysis / Gluconeogenesis;Ascorbate and aldarate metabolism;Fatty acid metabolism;Valine; leucine and isoleucine degradation;Lysine degradation;Arginine and proline metabolism;Histidine metabolism;Tryptophan metabolism;beta-Alanine metabolism;Glycerolipid metabolism;Pyruvate metabolism;Propanoate metabolism;Butanoate metabolism;Limonene and pinene degradation;

Image Data

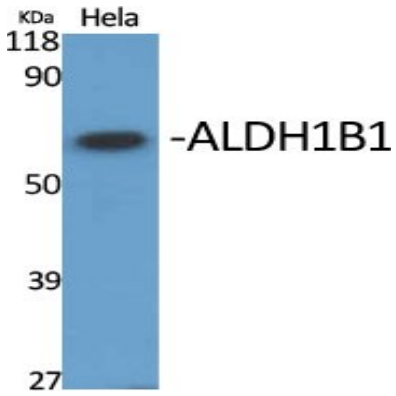


Western blot analysis of lysates from HepG2 and COS cells, using ALDH1B1 Antibody. The lane on the right is blocked with the synthesized peptide.

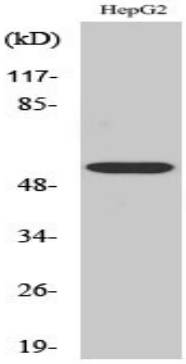


Western blot analysis of the lysates from HepG2 cells using ALDH1B1 antibody.

Product Name: ALDH1B1 Rabbit Polyclonal Antibody
Catalog #: APRab06760



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

Note

For research use only.