

ALDH3B1 Polyclonal Antibody

Catalog No :	YT0190
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	ALDH3B1
Fields :	>>Glycolysis / Gluconeogenesis;>>Histidine metabolism;>>Tyrosine metabolism;>>Phenylalanine metabolism;>>beta-Alanine metabolism;>>Metabolism of xenobiotics by cytochrome P450;>>Drug metabolism - cytochrome P450;>>Metabolic pathways
Gene Name :	ALDH3B1
Protein Name :	Aldehyde dehydrogenase family 3 member B1
Human Gene Id :	221
Human Swiss Prot No :	P43353
Mouse Swiss Prot No :	Q80VQ0
Immunogen :	The antiserum was produced against synthesized peptide derived from human ALDH3B1. AA range:51-100
Specificity :	ALDH3B1 Polyclonal Antibody detects endogenous levels of ALDH3B1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 52kD

Cell Pathway : Glycolysis / Gluconeogenesis;Histidine metabolism;Tyrosine metabolism;Phenylalanine metabolism;Metabolism of xenobiotics by cytochrome P450;Drug metabolism;

Background : This gene encodes a member of the aldehyde dehydrogenase protein family. Aldehyde dehydrogenases are a family of isozymes that may play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. The encoded protein is able to oxidize long-chain fatty aldehydes in vitro, and may play a role in protection from oxidative stress. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014],

Function : catalytic activity:An aldehyde + NAD(P)(+) + H(2)O = an acid + NAD(P)H.,pathway:Alcohol metabolism; ethanol degradation; acetate from ethanol: step 2/2.,similarity:Belongs to the aldehyde dehydrogenase family.,tissue specificity:Highest expression in kidney and lung.,

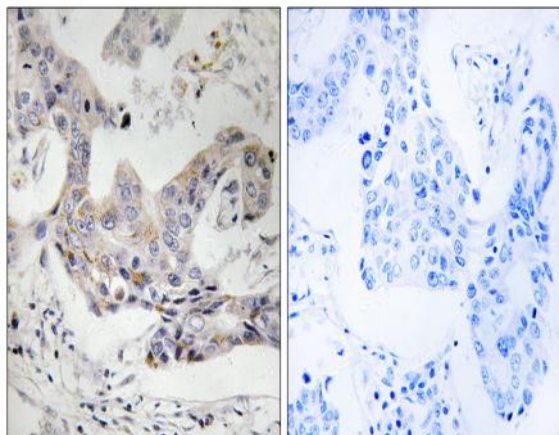
Subcellular Location : Cell membrane ; Lipid-anchor . Primarily in the plasma membrane as well as in some punctate structures in the cytoplasm.

Expression : Highest expression in kidney and lung.

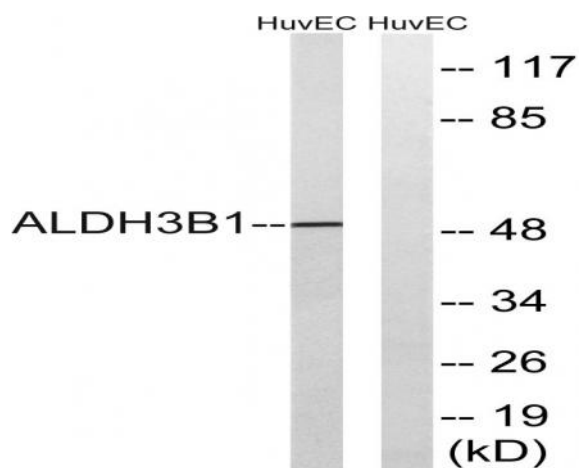
Products Images



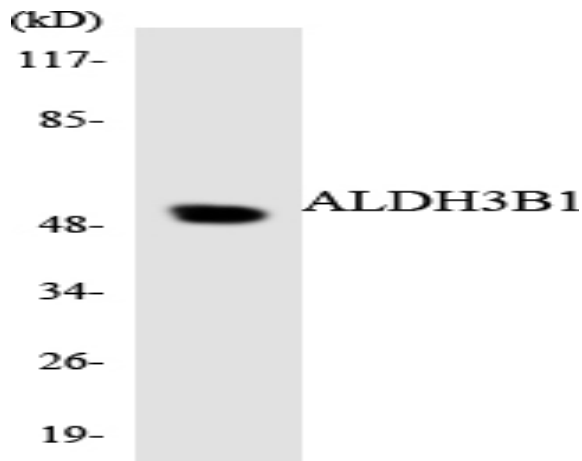
Western Blot analysis of various cells using ALDH3B1 Polyclonal Antibody diluted at 1:500



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using ALDH3B1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HUVEC cells, using ALDH3B1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from RAW264.7 cells using ALDH3B1 antibody.