

Anti-ALDH1L1 Antibody

Catalog # AP95660

Product Information

Application	WB, IHC, FC
Primary Accession	O75891
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	98829

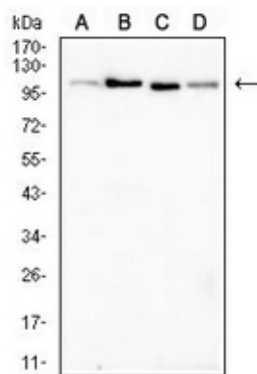
Additional Information

Gene ID	10840
Other Names	FTHFD; Cytosolic, 10-formyltetrahydrofolate dehydrogenase; 10-FTHFDH; FDH; Aldehyde dehydrogenase family 1 member L1
Target/Specificity	Recombinant fusion protein of human ALDH1L1 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

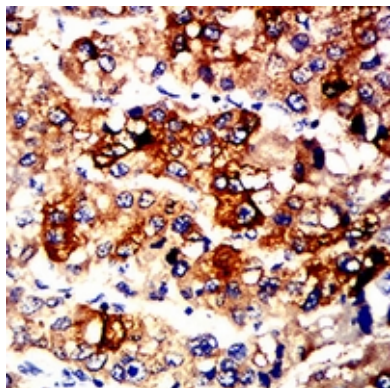
Protein Information

Name	ALDH1L1 (HGNC:3978)
Synonyms	FTHFD
Function	Cytosolic 10-formyltetrahydrofolate dehydrogenase that catalyzes the NADP(+)-dependent conversion of 10-formyltetrahydrofolate to tetrahydrofolate and carbon dioxide (PubMed: 19933275 , PubMed: 21238436). May also have an NADP(+)-dependent aldehyde dehydrogenase activity towards formaldehyde, acetaldehyde, propionaldehyde, and benzaldehyde (By similarity).
Cellular Location	Cytoplasm, cytosol.
Tissue Location	Highly expressed in liver, pancreas and kidney.

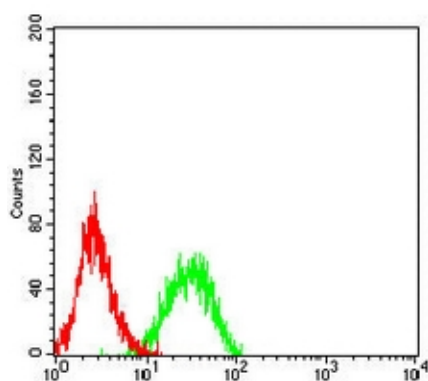
Images



Western blot analysis of ALDH1L1 expression in rat kidney (A), mouse liver (B), rat liver (C), mouse kidney (D) whole cell lysates. (Predicted band size: 99 kD; Observed band size: 99 kD)



Immunohistochemical analysis of ALDH1L1 staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Flow cytometric analysis of Jurkat cells using Anti-ALDH1L1 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.