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ALDH1L1 Antibody (clone 3E9)

Mouse Monoclonal Antibody
Catalog # ALS14082

Specification

ALDH1L1 Antibody (clone 3E9) - Product Information

Application	**WB, IF, IHC**
Primary Accession	O75891
Reactivity	**Human, Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**99kDa KDa**

ALDH1L1 Antibody (clone 3E9) - Additional Information

Gene ID 10840

Other Names
Cytosolic 10-formyltetrahydrofolate dehydrogenase, 10-FTHFDH, FDH, 1.5.1.6, Aldehyde dehydrogenase family 1 member L1, ALDH1L1, FTHFD

Target/Specificity
Human ALDH1L1

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions
ALDH1L1 Antibody (clone 3E9) is for research use only and not for use in diagnostic or therapeutic procedures.

ALDH1L1 Antibody (clone 3E9) - 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.

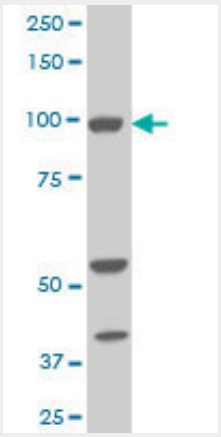
Tissue Location
Highly expressed in liver, pancreas and kidney.

ALDH1L1 Antibody (clone 3E9) - Protocols

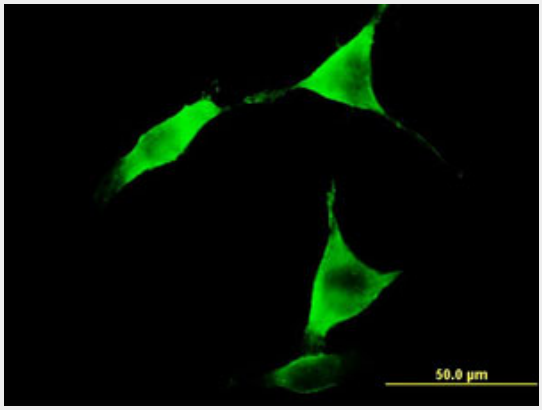
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ALDH1L1 Antibody (clone 3E9) - Images

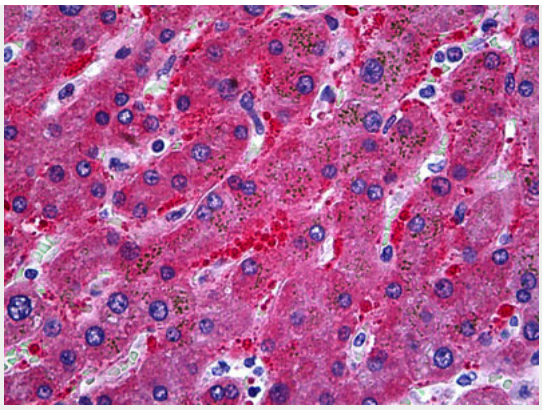


Western blot of ALDH1L1 expression in NIH/3T3 cells with ALDH1L1 monoclonal antibody, clone 3E9.



Immunofluorescence of monoclonal antibody to ALDH1L1 on NIH/3T3 cell.

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Anti-ALDH1L1 antibody IHC of human liver.

ALDH1L1 Antibody (clone 3E9) - References

Hong M.H.,et al.Submitted (MAR-1998) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Muzny D.M.,et al.Nature 440:1194-1198(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.