

**ALDH1L1 Antibody (clone 7G8)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS16461****Specification**

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**ALDH1L1 Antibody (clone 7G8) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC, WB, IF            |
| Primary Accession | <a href="#">O75891</a> |
| Reactivity        | Human                  |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Calculated MW     | 99kDa KDa              |

**ALDH1L1 Antibody (clone 7G8) - 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**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

ALDH1L1 Antibody (clone 7G8) is for research use only and not for use in diagnostic or therapeutic procedures.

**ALDH1L1 Antibody (clone 7G8) - 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:<a href="http://www.uniprot.org/citations/19933275" target="\_blank">19933275</a>, PubMed:<a href="http://www.uniprot.org/citations/21238436" target="\_blank">21238436</a>). 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.

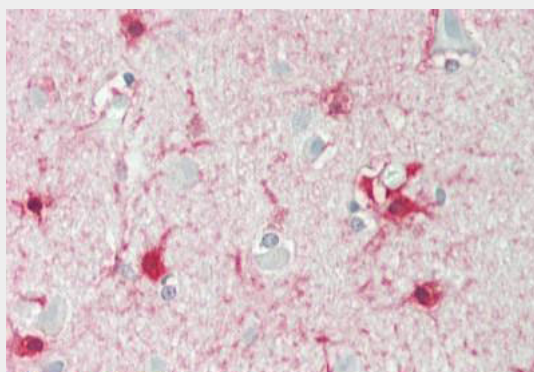
**Volume**

50  $\mu$ l

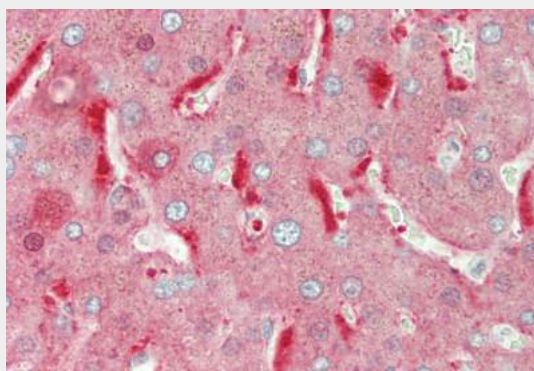
**ALDH1L1 Antibody (clone 7G8) - Protocols**

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

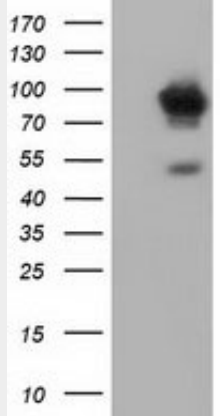
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**ALDH1L1 Antibody (clone 7G8) - Images**

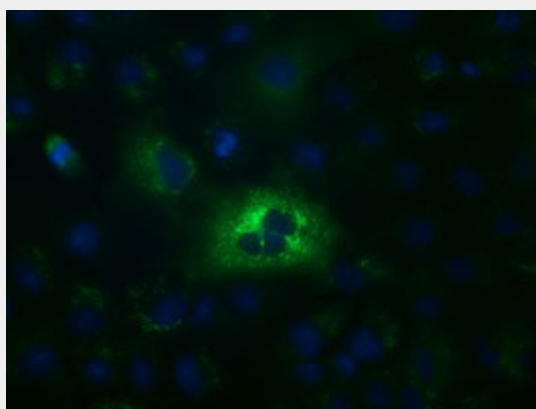
Human Brain, Cortex: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Liver: Formalin-Fixed, Paraffin-Embedded (FFPE)



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ALDH1L1...



Anti-ALDH1L1 mouse monoclonal antibody immunofluorescent staining of COS7 cells transiently...

#### **ALDH1L1 Antibody (clone 7G8) - 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.