

Aldehyde dehydrogenase 10 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52746**Specification**

Aldehyde dehydrogenase 10 Antibody - Product Information

Application	WB
Primary Accession	P51648
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Calculated MW	55 KDa

Aldehyde dehydrogenase 10 Antibody - Additional Information**Gene ID** 224**Other Names**

Aldehyde dehydrogenase;Aldehyde dehydrogenase 10;Aldehyde dehydrogenase 3 family member A2;ALDH10;ALDH3A2;DKFZp686E23276;FALDH;Fatty aldehyde dehydrogenase;FLJ20851;Microsomal aldehyde dehydrogenase;OTTHUMP00000065799;OTTHUMP00000065800;OTTHUMP00000065801;SLS.

Dilution

WB~~1:1000

Format

Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.09% (W/V) sodium azide, 50%,glycerol

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Aldehyde dehydrogenase 10 Antibody - Protein Information**Name** ALDH3A2**Function**

Catalyzes the oxidation of medium and long chain aliphatic aldehydes to fatty acids. Active on a variety of saturated and unsaturated aliphatic aldehydes between 6 and 24 carbons in length (PubMed:18035827, PubMed:18182499, PubMed:22633490, PubMed:25047030, PubMed:9133646, PubMed:9662422). Responsible for conversion of the sphingosine 1-phosphate (S1P) degradation product

hexadecenal to hexadecenoic acid (PubMed:22633490).

Cellular Location

Microsome membrane; Single-pass membrane protein. Endoplasmic reticulum membrane; Single-pass membrane protein; Cytoplasmic side {ECO:0000250|UniProtKB:P30839}

Tissue Location

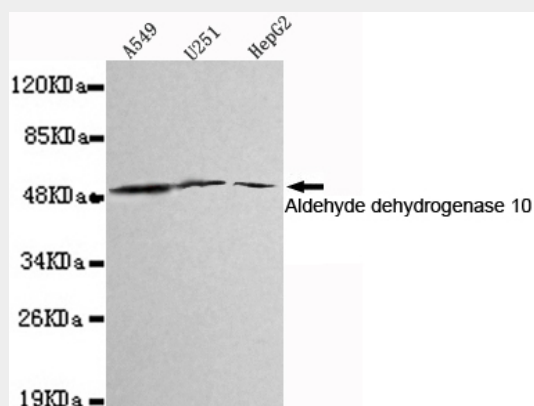
Detected in liver (at protein level).

Aldehyde dehydrogenase 10 Antibody - 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](#)

Aldehyde dehydrogenase 10 Antibody - Images



Western blot detection of Aldehyde dehydrogenase 10 in A549,U251 and HepG2 cell lysates using Aldehyde dehydrogenase 10 mouse mAb (1:1000 diluted). Predicted band size:55KDa.Observed band size:55KDa.

Aldehyde dehydrogenase 10 Antibody - Background

Catalyzes the oxidation of long-chain aliphatic aldehydes to fatty acids. Active on a variety of saturated and unsaturated aliphatic aldehydes between 6 and 24 carbons in length. Responsible for conversion of the sphingosine 1-phosphate (S1P) degradation product hexadecenal to hexadecenoic acid.

Aldehyde dehydrogenase 10 Antibody - References

de Laurenzi V.,et al.Nat. Genet. 12:52-57(1996).
Rogers G.R.,et al.Genomics 39:127-135(1997).
Chang C.,et al.Genomics 40:80-85(1997).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.