

Aldehyde dehydrogenase 10 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52746-100 □

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;OTTHUMP000065801;SLS.

Dilution

WB~1:1000

Format

Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.02% sodium azide, 50% glycerol

Storage

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

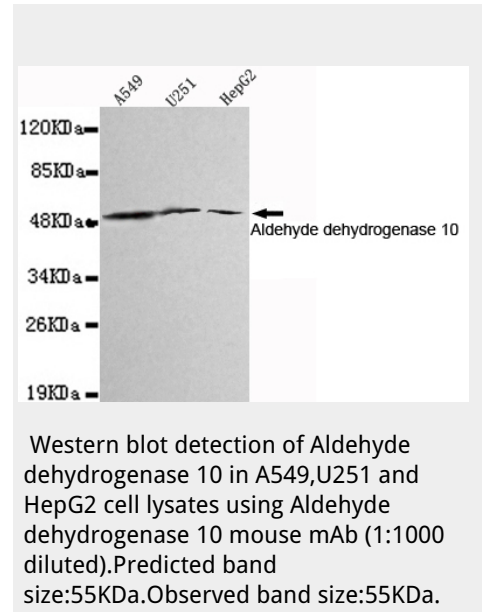
Aldehyde dehydrogenase 10 Antibody - Protein Information

Name ALDH3A2

Function

Catalyzes the oxidation of 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:9133646, PubMed:22633490, PubMed:25047030). 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 - Background

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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.