

**Goat Anti-ALDH3A2 Antibody (internal region)**  
**Purified Goat Polyclonal Antibody**  
**Catalog # AF4205a**

**Specification**

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**Goat Anti-ALDH3A2 Antibody (internal region) - Product Information**

|                   |  |
|-------------------|--|
| Application       | IHC-P  |
| Primary Accession | <a href="#">P51648</a>                                       |
| Other Accession   | <a href="#">NP_001026976.1</a> , <a href="#">NP_000373.1</a> |
| Reactivity        | Human  |
| Predicted         | Human, Dog   |
| Host              | Goat   |
| Clonality         | Polyclonal   |
| Concentration     | 0.5  |
| Calculated MW     | 54848  |

**Goat Anti-ALDH3A2 Antibody (internal region) - Additional Information**

**Gene ID** 224

**Other Names**

ALDH3A2; aldehyde dehydrogenase 3 family, member A2; ALDH10; DKFZp686E23276; FALDH; FLJ20851; SLS; OTTHUMP00000065801; aldehyde dehydrogenase 10; aldehyde dehydrogenase 3A2; fatty aldehyde dehydrogenase

**Format**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

**Immunogen**

Peptide with sequence C-SLKREGANKLRYPP, from the internal region of the protein sequence according to [NP\\_001026976.1](#); [NP\\_000373.1](#).

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-ALDH3A2 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-ALDH3A2 Antibody (internal region) - 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:<a href="http://www.uniprot.org/citations/18035827" target="\_blank">18035827</a>, PubMed:<a href="http://www.uniprot.org/citations/18182499" target="\_blank">18182499</a>, PubMed:<a href="http://www.uniprot.org/citations/22633490" target="\_blank">22633490</a>, PubMed:<a href="http://www.uniprot.org/citations/25047030" target="\_blank">25047030</a>, PubMed:<a href="http://www.uniprot.org/citations/9133646" target="\_blank">9133646</a>, PubMed:<a href="http://www.uniprot.org/citations/9662422" target="\_blank">9662422</a>). Responsible for conversion of the sphingosine 1-phosphate (S1P) degradation product hexadecenal to hexadecenoic acid (PubMed:<a href="http://www.uniprot.org/citations/22633490" target="\_blank">22633490</a>).

#### Cellular Location

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

#### Tissue Location

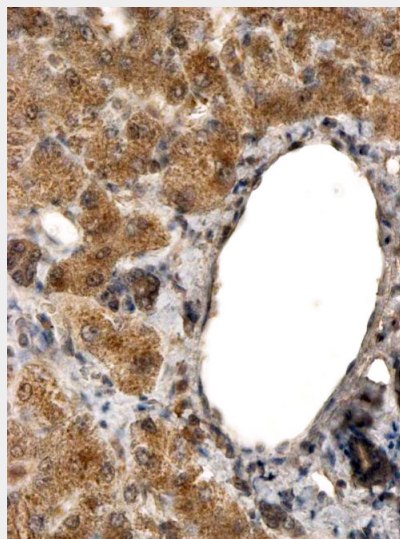
Detected in liver (at protein level).

### Goat Anti-ALDH3A2 Antibody (internal region) - 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](#)

### Goat Anti-ALDH3A2 Antibody (internal region) - Images



AF4205a (2 µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.

### Goat Anti-ALDH3A2 Antibody (internal region) - References

Abnormal fatty alcohol metabolism in cultured keratinocytes from patients with Sjögren-Larsson syndrome. Rizzo WB, Craft DA, Somer T, Carney G, Trafrova J, Simon M, Journal of lipid research 2008 Feb 49 (2): 410-9.