

## DATASHEET

# ALDH3A2 Mouse Monoclonal Antibody(C3811)

CAT. NO. AMA03423

### KEY FEATURES

|               |  |               |              |
|---------------|--|---------------|--------------|
| Target        | ALDH3A2  | Source / Host | Mouse        |
| Reactivity    | Human  | Clonality     | Monoclonal   |
| Applications  | WB, IHC  | Conjugation   | Unconjugated |
| Form / Buffer | Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide. | Storage       | at-20°C      |

### BACKGROUND

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 . Responsible for conversion of the sphingosine 1-phosphate (S1P) degradation product hexadecenal to hexadecenoic acid .

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

|     |                 |
|-----|-----------------|
| WB  | 1:1000 - 1:2000 |
| IHC | 1:50 - 1:200    |

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

|                   |  |
|-------------------|--|
| Description       | Mouse monoclonal antibody to ALDH3A2   |
| Specificity       | Recognizes endogenous levels of ALDH3A2 protein.   |
| Antibody Type     | Primary antibody   |
| Immunogen         | Recombinant fusion protein of human ALDH3A2. The exact sequence is proprietary.  |
| Purification      | This antibody is purified through a protein G column.  |
| Molecular Weight  | Predicted: 54 kD; Observed: 54 kD  |
| Form/Buffer       | Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.   |
| Alternative Names | ALDH10; FALDH; Fatty aldehyde dehydrogenase; Aldehyde dehydrogenase 10; Aldehyde dehydrogenase family 3 member A2; Microsomal aldehyde dehydrogenase |
| Gene Symbol       | ALDH3A2  |
| Entrez Gene       | 224(Human)   |
| SwissProt         | P51648(Human)  |

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

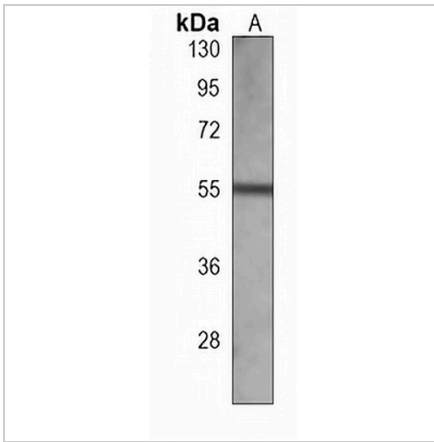
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

**DATASHEET**

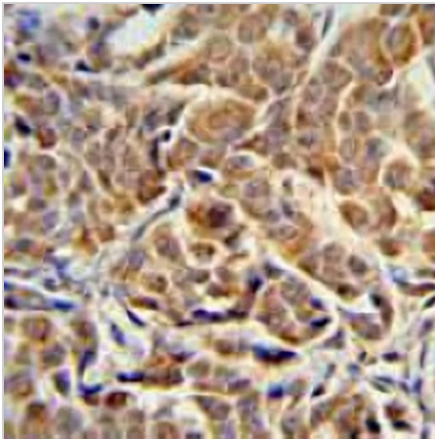
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**DATA**



Western blot analysis of ALDH3A2 expression in WiDr (A) whole cell lysates. (Predicted band size: 54 kD; Observed band size: 54 kD)



Immunohistochemical analysis of ALDH3A2 staining in human skin carcinoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.