

## Mouse Monoclonal Antibody to ALDH1A1

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| <b>Catalogue Number</b>        | sAP-1562  |
| <b>Target Molecule</b>         | <b>Name: ALDH1A1</b><br><b>Aliases:</b> ALDC; ALDH1; HEL-9; HEL12; PUMB1; ALDH11; RALDH1; ALDH-E1; HEL-S-53e<br><b>MW: 54.9kDa</b><br><b>Entrez Gene ID: 216</b>  |
| <b>Description</b>             | The protein encoded by this gene belongs to the aldehyde dehydrogenase family. Aldehyde dehydrogenase is the next enzyme after alcohol dehydrogenase in the major pathway of alcohol metabolism. There are two major aldehyde dehydrogenase isozymes in the liver, cytosolic and mitochondrial, which are encoded by distinct genes, and can be distinguished by their electrophoretic mobility, kinetic properties, and subcellular localization. This gene encodes the cytosolic isozyme. Studies in mice show that through its role in retinol metabolism, this gene may also be involved in the regulation of the metabolic responses to high-fat diet. |
| <b>Immunogen</b>               | Purified recombinant fragment of human ALDH1A1 (AA: 1-110) expressed in E. Coli.  |
| <b>Recitative Species</b>      | Human;  |
| <b>Clone</b>                   | MM2G1G4   |
| <b>Size and Concentration</b>  | 100µg/1mg/ml  |
| <b>Supplied as</b>             | Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide   |
| <b>Reconstitution/Storages</b> | Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage  |
| <b>Applications</b>            | ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: N to A; FCM: N to A; IHC: 1 to 200 - 1 to 1000  |
| <b>Shipping</b>                | Regular FEDEX overnight shipment (ambient temperature)  |
| <b>Reference</b>               | 1.Oncotarget. 2015 Dec 1;6(38):41360-9.2.Biomark Med. 2015;9(8):777-90.   |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**