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| <b>Product name:</b>     | ALDH1A1 Rabbit Monoclonal Antibody                                                                                                                                                                                                                                                           |
| <b>Cat number:</b>       | MABN85171                                                                                                                                                                                                                                                                                    |
| <b>Conjugate:</b>        | Unconjugated                                                                                                                                                                                                                                                                                 |
| <b>Size:</b>             | 100µL                                                                                                                                                                                                                                                                                        |
| <b>Clone:</b>            | Monoclonal                                                                                                                                                                                                                                                                                   |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                                                                                                                                                                       |
| <b>Host:</b>             | Rabbit                                                                                                                                                                                                                                                                                       |
| <b>Isotype:</b>          | IgG                                                                                                                                                                                                                                                                                          |
| <b>Immunogen:</b>        | A synthetic peptide of human ALDH1A1                                                                                                                                                                                                                                                         |
| <b>Reactivity:</b>       | Human, Mouse                                                                                                                                                                                                                                                                                 |
| <b>Applications:</b>     | WB 1:500-1:1000, IHC 1:50-1:100, IP 1:10-1:20                                                                                                                                                                                                                                                |
| <b>Molecular Weight:</b> | Calculated MW: 55 kDa; Observed MW: 55 kDa                                                                                                                                                                                                                                                   |
| <b>Purification:</b>     | Affinity Purification                                                                                                                                                                                                                                                                        |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                                                                                       |
| <b>Buffer:</b>           | Purified antibody in TBS with 0.05% sodium azide, 0.05% BSA and 50% glycerol.                                                                                                                                                                                                                |
| <b>Storage:</b>          | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.                                                                                                                                                                                                 |
| <b>Background:</b>       | ALDH1A1 is a liver cytosolic isoform of acetaldehyde dehydrogenase and is involved in the major pathway of alcohol metabolism along with alcohol dehydrogenase. ALDH1A1 is also known as retinal dehydrogenase 1 and is involved in retinol metabolism, converting retinol to retinoic acid. |