

# KD-Validated Anti-ALDH4A1 Mouse Monoclonal Antibody

*Mouse monoclonal antibody*

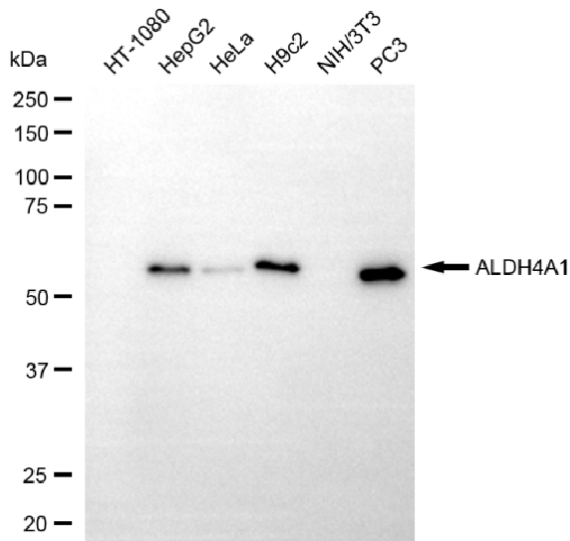
ABG1117

## Product Overview

|                             |                                                                           |
|-----------------------------|---------------------------------------------------------------------------|
| <b>Name</b>                 | KD-Validated Anti-ALDH4A1 Mouse Monoclonal Antibody                       |
| <b>Accession(Primary)</b>   | P30038                                                                    |
| <b>Host Species</b>         | Mouse                                                                     |
| <b>Clonality</b>            | Monoclonal                                                                |
| <b>Isotype</b>              | Mouse IgG1                                                                |
| <b>Immunogen</b>            | Recombinant protein of human ALDH4A1                                      |
| <b>Species Reactivity</b>   | Human, Rat                                                                |
| <b>Calculated MW</b>        | Predicted, 62 kDa, observed, 62 kDa                                       |
| <b>Storage Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide. |
| <b>Recommended Dilution</b> | Western Blotting (WB): 1:1,000-1:2,500                                    |

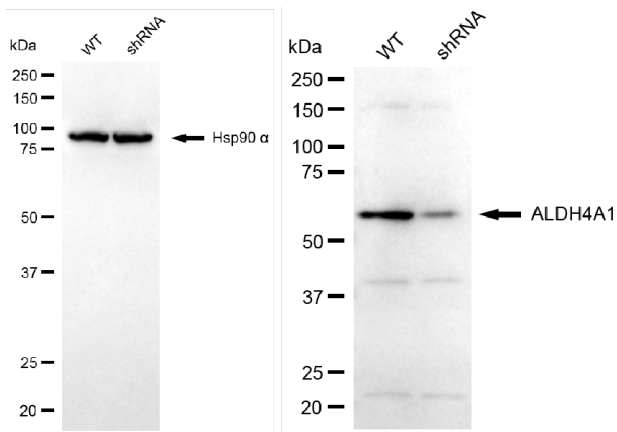
## Target information (P30038)

|                          |                                                                                                                                                                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | ALDH4A1                                                                                                                                                                                                                                                                                                          |
| <b>About Gene Symbol</b> | <p>ALDH4A1 (Aldehyde Dehydrogenase 4 Family Member A1) is a metabolic dehydrogenase involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.</p> |



Copyright ©2025 Genuin Biotechnologies LLC

Western blotting analysis using anti-ALDH4A1 antibody (Cat#ABG1117). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ALDH4A1 antibody (Cat#ABG1117, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Copyright ©2025 Genuin Biotechnologies LLC

Western blotting analysis using anti-ALDH4A1 antibody (Cat#ABG1117). ALDH4A1 expression in wild-type (WT) and ALDH4A1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-ALDH4A1 antibody (Cat#ABG1117, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.