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# Anti-ADH7 Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18510

## Product Information

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| **Application** | WB, IHC-P, E |
| **Primary Accession** | P40394 |
| **Predicted** | Human |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Calculated MW** | 41481 |

## Additional Information

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| **Gene ID** | 131 |
| **Alias Symbol** | ADH7 |
| **Other Names** | ADH7, Alcohol dehydrogenase VII, ADH-4, Alcohol dehydrogenase-7, Gastric alcohol dehydrogenase, Retinol dehydrogenase |
| **Target/Specificity** | Human ADH7 |
| **Reconstitution & Storage** | Caprylic acid and ammonium sulfate precipitation |
| **Precautions** | Anti-ADH7 Antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | ADH7 ( HGNC:256) |
| **Function** | Catalyzes the NAD-dependent oxidation of all-trans-retinol, alcohol, and omega-hydroxy fatty acids and their derivatives (PubMed:15369820, PubMed:16787387, PubMed:9600267). Oxidizes preferentially all trans-retinol, all-trans-4-hydroxyretinol, 9-cis- retinol, 2-hexenol, and long chain omega-hydroxy fatty acids such as juniperic acid (PubMed:15369820, PubMed:16787387, PubMed:9600267). In vitro can also catalyze the NADH-dependent reduction of all-trans- retinal and aldehydes and their derivatives (PubMed:15369820, PubMed:16787387, PubMed:9600267). Reduces preferentially all trans- retinal, all-trans-4-oxoretinal and hexanal (PubMed:15369820, PubMed:16787387). Catalyzes in the oxidative direction with higher efficiency (PubMed:15369820, PubMed:16787387). Therefore may participate in retinoid metabolism, fatty acid omega-oxidation, and elimination of cytotoxic aldehydes produced by lipid peroxidation (PubMed:15369820, PubMed:16787387, PubMed:9600267). |

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| **Cellular Location** | Cytoplasm. |
| **Tissue Location** | Preferentially expressed in stomach. |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.