Datasheet for ABIN950340

# anti-ADH7 antibody (C-Term)

4 Images

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## Overview

| | |
|---|---|
| Quantity: | 0.4 mL |
| Target: | ADH7 |
| Binding Specificity: | AA 325-354, C-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ADH7 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA) |

## Product Details

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|---|---|
| Immunogen: | KLH conjugated synthetic peptide between 325~354 amino acids from the C-terminal region of human ADH7 Antibody (C-Term). |
| Isotype: | Ig Fraction |
| Specificity: | This antibody reacts to Alcohol dehydrogenase 7. |
| Cross-Reactivity (Details): | Species reactivity (tested):Human. |
| Purification: | Affinity chromatography on Protein A |

## Target Details

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|---|---|
| Target: | ADH7 |

 

## Target Details

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|---|---|
| Alternative Name: | Alcohol Dehydrogenase 7 (ADH7) (ADH7 Products) |
| Background: | This gene encodes class IV alcohol dehydrogenase 7 mu or sigma subunit, which is a member of the alcohol dehydrogenase family. Members of this family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. The enzyme encoded by this gene is inefficient in ethanol oxidation, but is the most active as a retinol dehydrogenase, thus it may participate in the synthesis of retinoic acid, a hormone important for cellular differentiation. The expression of this gene is much more abundant in stomach than liver, thus differing from the other known gene family members.Synonyms: Alcohol dehydrogenase class 4 mu/sigma chain, Gastric alcohol dehydrogenase, Retinol dehydrogenase |
| Gene ID: | 131 |
| NCBI Accession: | NP_000664 |

## Application Details

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|---|---|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

## Handling

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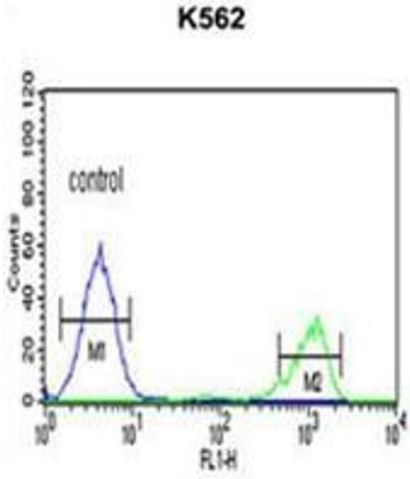
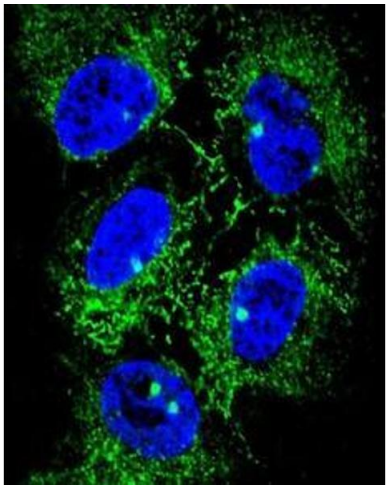
|---|---|
| Format: | Liquid |
| Concentration: | 0.25 mg/mL |
| Buffer: | PBS containing 0.09 % (W/V) sodium azide as preservative |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer. |



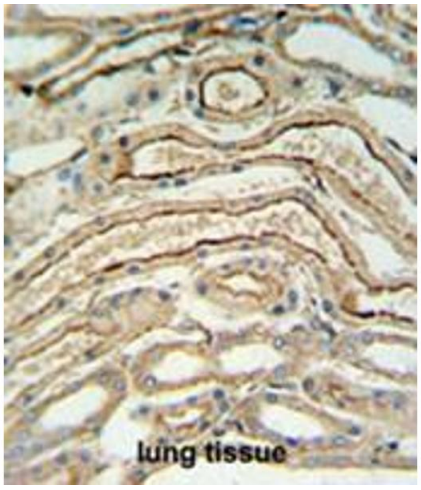

## Flow Cytometry

**Image 1.** ADH7 Antibody (C-Term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



## Immunofluorescence

**Image 2.** Confocal immunofluorescent analysis of ADH7 Antibody (C-Term) with NCI-H460 cell followed by Alexa Fluor® 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).




## Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** ADH7 Antibody (C-Term) IHC analysis in formalin fixed and paraffin embedded lung tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ADH7 Antibody (C-Term) for immunohistochemistry. Clinical relevance has not been evaluated.

Please check the product details page for more images. Overall 4 images are available for ABIN950340.