



[Go to Product page](#)

Datasheet for ABIN7143652
anti-ADH7 antibody (AA 1-386)

4 Images

Overview

Quantity:	100 µg
Target:	ADH7
Binding Specificity:	AA 1-386
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADH7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Alcohol dehydrogenase class 4 mu/sigma chain protein (1-386AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	ADH7
Alternative Name:	ADH7 (ADH7 Products)
Background:	Background: Could function in retinol oxidation for the synthesis of retinoic acid, a hormone important for cellular differentiation. Medium-chain (octanol) and aromatic (m-

Target Details

nitrobenzaldehyde) compounds are the best substrates. Ethanol is not a good substrate but at the high ethanol concentrations reached in the digestive tract, it plays a role in the ethanol oxidation and contributes to the first pass ethanol metabolism.

Aliases: ADH7 antibody, All-trans-retinol dehydrogenase [NAD(+)] ADH7 antibody, EC 1.1.1.105 antibody, Alcohol dehydrogenase class 4 mu/sigma chain antibody, EC 1.1.1.1 antibody, Alcohol dehydrogenase class IV mu/sigma chain antibody, Gastric alcohol dehydrogenase antibody, Omega-hydroxydecanoate dehydrogenase ADH7 antibody, EC 1.1.1.66 antibody, Retinol dehydrogenase antibody

UniProt: [P40394](#)

Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

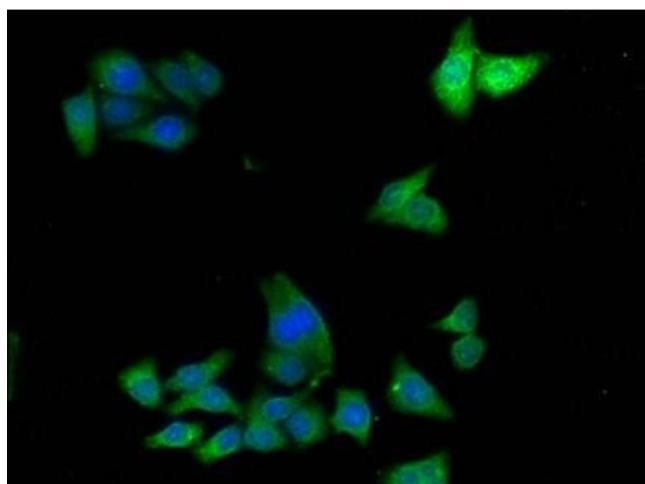
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

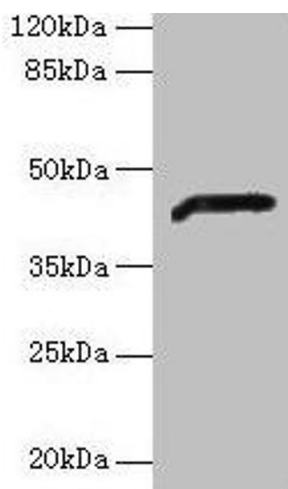
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



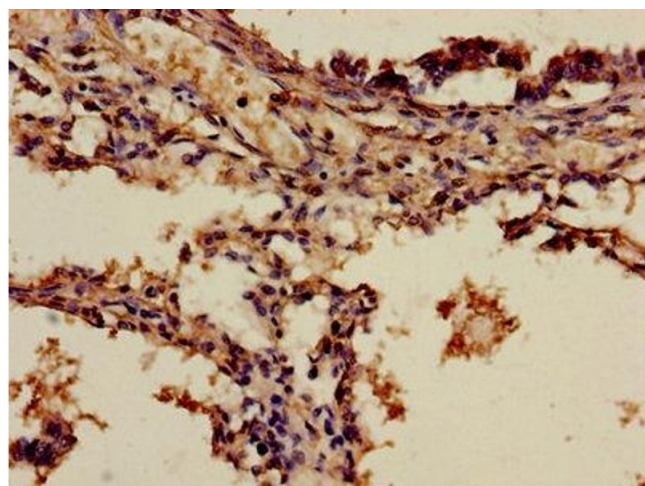
Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7143652 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



Western Blotting

Image 2. Western blot All lanes: ADH7 antibody at 2 µg/mL + Mouse liver tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 42, 43 kDa Observed band size: 42 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human lung cancer using ABIN7143652 at dilution of 1:100

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7143652.