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Datasheet for ABIN3022769
anti-ADH5 antibody (AA 1-374)

2 Images

Overview

Quantity:	100 µL
Target:	ADH5
Binding Specificity:	AA 1-374
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADH5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-374 of human ADH5 (NP_000662.3).
Sequence:	MANEVIKCKA AVAWEAGKPL SIEEIEVAPP KAHEVRIKII ATAVCHTDAY TLSGADPEGC FPVILGHEGA GIVESVGEGV TKLKAGDTVI PLYIPQCGEC KFCLNPKTNL CQKIRVTQGK GLMPDGTSRF TCKGKTILHY MGTSTFSEYT VVADISVAKI DPLAPLDKVC LLGCGISTGY GAAVNTAKLE PGSVCAVFGL GGVGLAVIMG CKVAGASRII GVDINKDKFA RAKEFGATEC INPQDFSKPI QEVLIEMTDG GVDYSFECIG NVKVMRAALE ACHKGWGVSV VVGVAASGEE IATRPFQLVT GRTWKGTAFG GWKSVESVPK LVSEYMSKKI KVDEFVTHNL SFDEINKAFE LMHSGKSIRT VVKI
Isotype:	IgG
Cross-Reactivity:	Human, Mouse

Product Details

Characteristics: Polyclonal Antibodies

Purification: Affinity purification

Target Details

Target: ADH5

Alternative Name: ADH5 ([ADH5 Products](#))

Background: This gene encodes 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 encoded protein forms a homodimer. It has virtually no activity for ethanol oxidation, but exhibits high activity for oxidation of long-chain primary alcohols and for oxidation of S-hydroxymethyl-glutathione, a spontaneous adduct between formaldehyde and glutathione. This enzyme is an important component of cellular metabolism for the elimination of formaldehyde, a potent irritant and sensitizing agent that causes lacrymation, rhinitis, pharyngitis, and contact dermatitis. The human genome contains several non-transcribed pseudogenes related to this gene.,ADH5,ADH-3,ADHX,FALDH,FDH,GSH-FDH,GSNOR,HEL-S-60p,Signal Transduction,Endocrine & Metabolism,Immunology & Inflammation,CD markers,ADH5

Molecular Weight: 39 kDa

Gene ID: 128

UniProt: [P11766](#)

Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

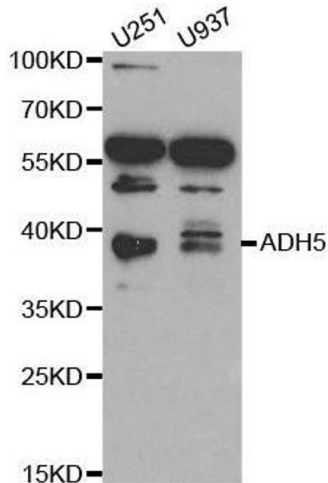
Handling

Handling Advice: Avoid freeze / thaw cycles

Storage: -20 °C

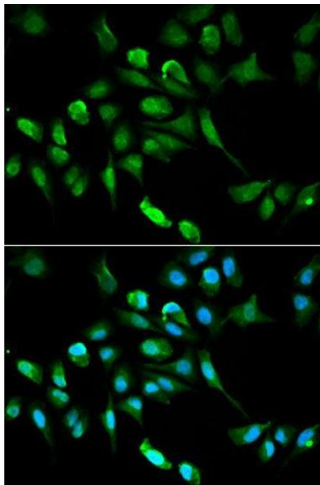
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using ADH5 antibody.



Immunofluorescence

Image 2. Immunofluorescence analysis of HepG2 cell using ADH5 antibody. Blue: DAPI for nuclear staining.