

Datasheet for ABIN2781328
anti-ADH4 antibody (Middle Region)

3 Images

1 Publication

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Overview

Quantity:	100 µL
Target:	ADH4
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Cow, Pig, Dog, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADH4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ADH4
Sequence:	NSEKFKAKA LGATDCLNPR DLHKPIQEV IELTKGGVDF ALDCAGGSET
Predicted Reactivity:	Cow: 86%, Dog: 86%, Human: 100%, Pig: 86%, Rabbit: 79%, Rat: 79%
Characteristics:	This is a rabbit polyclonal antibody against ADH4. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	ADH4
Alternative Name:	ADH4 (ADH4 Products)

Target Details

Background:	<p>ADH4, class II alcohol dehydrogenase 4 pi subunit, which is a member of the alcohol dehydrogenase family. Members of this enzyme family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. Class II alcohol dehydrogenase is a homodimer composed of 2 pi subunits. It exhibits a high activity for oxidation of long-chain aliphatic alcohols and aromatic alcohols and is less sensitive to pyrazole. This gene encodes class II alcohol dehydrogenase 4 pi subunit, which is a member of the alcohol dehydrogenase family. Members of this enzyme family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. Class II alcohol dehydrogenase is a homodimer composed of 2 pi subunits. It exhibits a high activity for oxidation of long-chain aliphatic alcohols and aromatic alcohols and is less sensitive to pyrazole. This gene is localized to chromosome 4 in the cluster of alcohol dehydrogenase genes.</p> <p>Alias Symbols: ADH-2</p> <p>Protein Interaction Partner: UBC, RPL35, YWHAE, APP,</p> <p>Protein Size: 380</p>
Molecular Weight:	42 kDa
Gene ID:	127
NCBI Accession:	NM_000670 , NP_000661
UniProt:	P08319
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 380 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

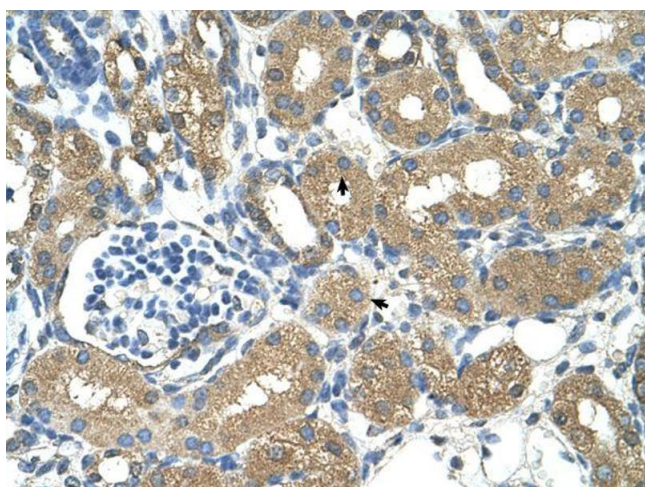
Handling

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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

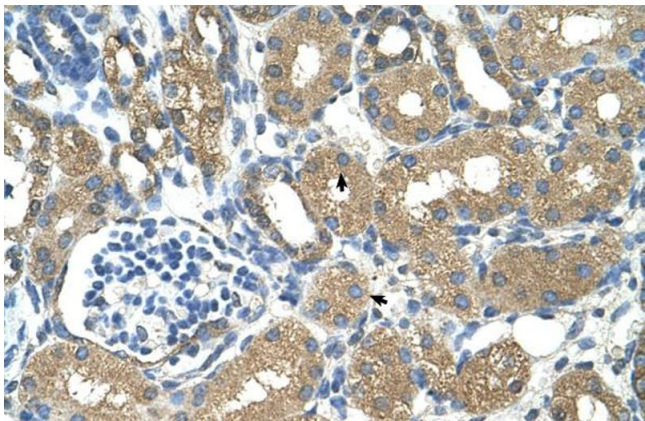
Product cited in:	Hu, Lausted, Yoo, Yan, Brightman, Chen, Wang, Bu, Hood: "Quantitative liver-specific protein fingerprint in blood: a signature for hepatotoxicity." in: Theranostics , Vol. 4, Issue 2, pp. 215-28, (2014) (PubMed).
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Images



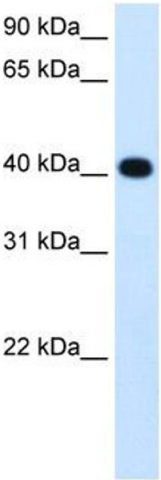
Immunohistochemistry

Image 1.



Immunohistochemistry

Image 2. Human kidney



Western Blotting

Image 3. WB Suggested Anti-ADH4 Antibody Titration:
1.25ug/ml Positive Control: Fetal liver cell lysate