

Rabbit ADH1A Polyclonal Antibody | anti-ADH1A antibody

Anti-ADH1A Antibody

CATALOG # AAA46817	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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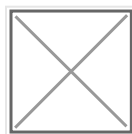
PRODUCT SYNONYMS

ADH1A; Polyclonal Antibody; Anti-ADH1A Antibody; ADH; ADH1; Alcohol dehydrogenase 1; Alcohol dehydrogenase 1A; Aldehyde reductase; P07327; alcohol dehydrogenase 1A (class I); alpha polypeptide; anti-ADH1A antibody

PRODUCT SPECIFICATIONS

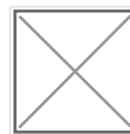
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	375
Applicable Applications for anti-ADH1A antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E. coli-derived human ADH1A recombinant protein (Position: K213-F375). Human ADH1A shares 87.1% and 82.8% amino acid (aa) sequence identity with mouse and rat ADH1A, respectively.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

ADH1A was detected in paraffin-embedded sections of human liver cancer tissues using rabbit anti-ADH1A Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of ADH1A expression in rat lung extract (lane 1), mouse liver extract (lane 2) and HEPG2 whole cell lysates (lane 3). ADH1A at 40KD was detected using rabbit anti-ADH1A Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-ADH1A antibody	Rabbit IgG polyclonal antibody for Alcohol dehydrogenase 1A(ADH1A) detection. Background: Alcohol dehydrogenase 1A is an enzyme that in humans is encoded by the ADH1A gene. This gene encodes a member of the alcohol dehydrogenase family. The encoded protein is the alpha subunit of class I alcohol dehydrogenase, which consists of several homo- and heterodimers of alpha, beta and gamma subunits. Alcohol dehydrogenases catalyze the oxidation of alcohols to aldehydes. This gene is active in the liver in early fetal life but only weakly active in adult liver. And this gene is found in a cluster with six additional alcohol dehydrogenase genes, including those encoding the beta and gamma subunits, on the long arm of chromosome 4. Mutations in this gene may contribute to variation in certain personality traits and substance dependence.
References	1. Lange LG, Sytkowski AJ, Vallee BL (1976). "Human liver alcohol dehydrogenase: purification, composition, and catalytic features".Biochemistry 15 (21): 4687-93. 2. Smith M (Mar 1986). "Genetics of human alcohol and aldehyde dehydrogenases". Adv Hum Genet 15: 249-90.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501929
NCBI GeneID	124
NCBI Accession #	NP_000658.1
NCBI GenBank Nucleotide #	NM_000667.3
UniProt Accession #	P07327; Q17R68; A8K3E3
Molecular Weight	39,859 Da
NCBI Official Full Name	alcohol dehydrogenase 1A
NCBI Official Synonym Full Names	alcohol dehydrogenase 1A (class I), alpha polypeptide
NCBI Official Symbol	ADH1A
NCBI Official Synonym Symbols	ADH1
NCBI Protein Information	alcohol dehydrogenase 1A
UniProt Protein Name	Alcohol dehydrogenase 1A
UniProt Gene Name	ADH1A
UniProt Synonym Gene Names	ADH1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/adh1a-antibody-immunohistochemistry-western-blot-elisa/46817>