ADH1B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ADH1B, Polyclonal Antibody
Full Product Name	ADH1B Rabbit pAb
Product Gene Name	anti-ADH1B antibody
Product Synonym Names	ADH2; HEL-S-117
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Rat
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	40kDa
OMIM	103720
3D Structure	ModBase 3D Structure for P00325
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 206-375 of human ADH1B (NP_000659.2).
Cellular Localization	Cytoplasm
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ADH1B antibody	Western Blot (WB)
Application Notes for anti-ADH1B antibody	WB: 1:500-1:2000
Related Product Information for anti-ADH1B antibody	There are 7 different ADH's isozymes in human: three belongs to class-I: alpha, beta, and gamma, one to class-II: pi, one to class-III: chi, one to class-IV: ADH7 and one to class-V: ADH6.
Other Notes	Small volumes of anti-ADH1B antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ADH1B purchase	MBS8544393 is an antibody targeting ADH1B. Also known as ADH1B Rabbit pAb. Reactive in Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ADH1B. It may not necessarily be applicable to this product.

NCBI GI #	113394
NCBI GeneID	125
NCBI Accession #	P00325.2

UniProt Primary Accession #	P00325
UniProt Related Accession #	P00325
NCBI Official Full Name	All-trans-retinol dehydrogenase
NCBI Official Synonym Full Names	alcohol dehydrogenase 1B (class I), beta polypeptide
NCBI Official Symbol	ADH1B
NCBI Official Synonym Symbols	ADH2; HEL-S-117
UniProt Protein Name	Alcohol dehydrogenase 1B
UniProt Synonym Protein Names	Alcohol dehydrogenase subunit beta
UniProt Gene Name	ADH1B
UniProt Synonym Gene Names	ADH2
UniProt Entry Name	ADH1B_HUMAN
NCBI Protein Information	all-trans-retinol dehydrogenase [NAD(+)] ADH1B
NCBI Summary for ADH1B	The protein encoded by this gene 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. This encoded protein, consisting of several homo- and heterodimers of alpha, beta, and gamma subunits, exhibits high activity for ethanol oxidation and plays a major role in ethanol catabolism. Three genes encoding alpha, beta and gamma subunits are tandemly organized in a genomic segment as a gene cluster. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2013]
UniProt Comments for ADH1B	ADH1B: Dimer of identical or non-identical chains of three types; alpha, beta and gamma. Belongs to the zinc-containing alcohol dehydrogenase family. Protein type: Lipid Metabolism - fatty acid; Carbohydrate Metabolism - glycolysis and gluconeogenesis; Xenobiotic Metabolism - metabolism by cytochrome P450; EC 1.1.1.1; Oxidoreductase; Amino Acid Metabolism - tyrosine; Cofactor and Vitamin Metabolism - retinol; Xenobiotic Metabolism - drug metabolism - cytochrome P450 Chromosomal Location of Human Ortholog: 4q23 Cellular Component: cytosol Molecular Function: zinc ion binding; alcohol dehydrogenase activity, zinc-dependent Biological Process: xenobiotic metabolic process; ethanol oxidation Disease: Alcohol Dependence
Research Articles on ADH1B	**1.** This first study of polymorphisms in Colombian patients diagnosed with cirrhosis and/or HCC showed genotypes ADH1B*1/1, ADH1C*1/1 and CYP2E1*C/C as the most frequent
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