ADH7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Adh7, Polyclonal Antibody
Full Product Name	Adh7 Antibody; FITC conjugated
Product Gene Name	anti-Adh7 antibody
Product Synonym Names	Alcohol dehydrogenase class 4 mu/sigma chain; ADH-C2; Alcohol dehydrogenase 7; Alcohol dehydrogenase class IV mu/sigma chain; Gastric alcohol dehydrogenase; Retinol dehydrogenase; Adh7; Adh-3; Adh3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Liquid
Purity/Purification	>95%,Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.
Matching Pairs	Unconjugated Antibody: Adh7 (MBS7003532) FITC Conjugated Antibody: Adh7 (MBS7004307)
Molecular Weight	39,904 Da
3D Structure	ModBase 3D Structure for Q64437
Immunogen	Recombinant mouse Alcohol dehydrogenase class 4 mu/sigma chain protein
Conjugation	FITC
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-Adh7 antibody	ELISA (EIA)
Related Product Information for anti-Adh7 antibody	Could function in retinol oxidation for the synthesis of retinoic acid, a hormone important for cellular differentiation.
Other Notes	Small volumes of anti-Adh7 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 Adh7 purchase	MBS7004307 is an antibody targeting Adh7. Also known as Adh7 Antibody; FITC conjugated. Reactive in Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Adh7. It may not necessarily be applicable to this product.

NCBI GI #	31560625
NCBI GeneID	11529
NCBI Accession #	NP_033756.2

UniProt Primary Accession #	Q64437
UniProt Related Accession #	Q64437
GenBank Nucleotide #	NM_009626.4
NCBI Official Full Name	alcohol dehydrogenase class 4 mu/sigma chain
NCBI Official Synonym Full Names	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide
NCBI Official Symbol	Adh7
NCBI Official Synonym Symbols	Adh3; Adh4; Adh-3; Adt-1; Adh-3e; Adh-3t; Adh3-e; Adh3-t; AI325182
UniProt Protein Name	Alcohol dehydrogenase class 4 mu/sigma chain
UniProt Synonym Protein Names	ADH-C2; Alcohol dehydrogenase 7; Alcohol dehydrogenase class IV mu/sigma chain; Gastric alcohol dehydrogenase; Retinol dehydrogenase
Protein Family	Alcohol dehydrogenase
UniProt Gene Name	Adh7
UniProt Synonym Gene Names	Adh-3; Adh3
UniProt Entry Name	ADH7_MOUSE
NCBI Protein Information	alcohol dehydrogenase class 4 mu/sigma chain
UniProt Comments for Adh7	ADH7: Could function in retinol oxidation for the synthesis of retinoic acid, a hormone important for cellular differentiation. Medium-chain (octanol) and aromatic (m-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. Belongs to the zinc-containing alcohol dehydrogenase family. Class-IV subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: EC 1.1.1.1; Cofactor and Vitamin Metabolism - retinol; Lipid Metabolism - fatty acid; Amino Acid Metabolism - tyrosine; Xenobiotic Metabolism - metabolism by cytochrome P450; Carbohydrate Metabolism - glycolysis and gluconeogenesis; Xenobiotic Metabolism - drug metabolism - cytochrome P450; Oxidoreductase Cellular Component: cytoplasm; extracellular region; intracellular Molecular Function: alcohol dehydrogenase activity; alcohol dehydrogenase activity, zinc-dependent; aldehyde oxidase activity; ethanol binding; metal ion binding; NAD binding; oxidoreductase activity; protein homodimerization activity; receptor antagonist activity; retinol binding; retinol dehydrogenase activity; zinc ion binding Biological Process: ethanol catabolic process; ethanol metabolic process; ethanol oxidation; fatty acid omega-oxidation; response to bacterium; response to ethanol; retinoic acid metabolic process; retinoid metabolic process; retinol metabolic process
Research Articles on Adh7	**1.** ADH3 promotes liver fibrosis by enhancing hepatic stellate cell activation and inhibiting natural killer cell activity
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