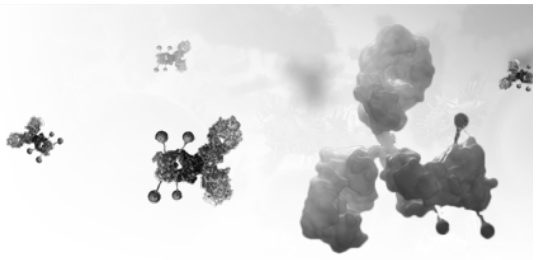

Anti-ADH1A monoclonal antibody, clone FQS5540 (DCABH-114)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit monoclonal to Alcohol Dehydrogenase
Antigen Description	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. 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.
Immunogen	Synthetic peptide (Human)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	FQS5540
Conjugate	Unconjugated
Applications	ICC/IF, WB, IHC-P
Positive Control	WB: lysate from HepG2 cells, Human fetal, mouse or rat liver; IHC-P: Human liver tissue; ICC/IF: HepG2 cells.
Format	Liquid
Size	100 µl

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Buffer	PBS 49%,Sodium azide 0.01%,Glycerol 50%,BSA 0.05%
Preservative	0.1% Sodium Azide
Storage	Store at -20°C. Stable for 12 months at -20°C

GENE INFORMATION

Gene Name	Adh1 alcohol dehydrogenase 1 (class I) [Mus musculus]
Official Symbol	Adh1
Synonyms	ADH1; alcohol dehydrogenase 1 (class I); alcohol dehydrogenase 1; ADH-A2; class I alcohol dehydrogenase; alcohol dehydrogenase A subunit; alcohol dehydrogenase 1, complex; alcohol dehydrogenase 1 temporal, liver; alcohol dehydrogenase 1, electrophoretic; alcohol dehydrogenase 3, electrophoretic; Adh-1; ADH-AA; Adh-1e; Adh-1t; Adh-3e; Adh1-e; Adh1-t; Adh1tl; Adh3-e; Adh-1-t; AI194826;
Entrez Gene ID	11522
Protein Refseq	NP_031435
UniProt ID	P00329
Pathway	Biological oxidations, organism-specific biosystem; Drug metabolism - cytochrome P450, organism-specific biosystem; Drug metabolism - cytochrome P450, conserved biosystem; Ethanol oxidation, organism-specific biosystem; Fatty acid metabolism, organism-specific biosystem; Fatty acid metabolism, conserved biosystem; Glycolysis / Gluconeogenesis, organism-specific biosystem;
Function	NAD binding; alcohol dehydrogenase (NAD) activity; alcohol dehydrogenase (NAD) activity; alcohol dehydrogenase (NAD) activity; drug binding; ethanol binding; metal ion binding; nucleotide binding; oxidoreductase activity; protein homodimerization activity; retinol dehydrogenase activity; zinc ion binding;

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