



Anti-ADH1C monoclonal antibody (DCABH-10428)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes class I alcohol dehydrogenase, gamma 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 I alcohol dehydrogenase, 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.
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Immunogen	A synthetic peptide of human ADH1C is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ADH1C alcohol dehydrogenase 1C (class I), gamma polypeptide [Homo sapiens]
Official Symbol	ADH1C
Synonyms	ADH1C; alcohol dehydrogenase 1C (class I), gamma polypeptide; ADH3; alcohol dehydrogenase 1C; ADH, gamma subunit; aldehyde reductase; alcohol dehydrogenase subunit gamma; alcohol dehydrogenase 3 (class I), gamma polypeptide;
Entrez Gene ID	126
Protein Refseq	NP_000660
UniProt ID	P00326
Chromosome Location	4q23
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 Omega Oxidation, organism-specific biosystem; Fatty acid metabolism, organism-specific biosystem; Fatty acid metabolism, conserved biosystem;
Function	alcohol dehydrogenase (NAD) activity; metal ion binding; nucleotide binding; oxidoreductase activity; zinc ion binding;