



Anti-ADH7 monoclonal antibody (DCABH-10431)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes class IV alcohol dehydrogenase 7 mu or sigma subunit, which is a member of the alcohol dehydrogenase family. Members of this family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. The enzyme encoded by this gene is inefficient in ethanol oxidation, but is the most active as a retinol dehydrogenase; thus it may participate in the synthesis of retinoic acid, a hormone important for cellular differentiation. The expression of this gene is much more abundant in stomach than liver, thus differing from the other known gene family members.
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Immunogen	A synthetic peptide of human ADH7 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	ADH7 alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide [Homo sapiens]
Official Symbol	ADH7
Synonyms	ADH7; alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide; alcohol dehydrogenase class 4 mu/sigma chain; ADH 4; retinol dehydrogenase; alcohol dehydrogenase-7; alcohol dehydrogenase VII; gastric alcohol dehydrogenase; class IV sigma-1 alcohol dehydrogenase; class IV sigmasigma alcohol dehydrogenase; alcohol dehydrogenase class IV mu/sigma chain; ADH4;
Entrez Gene ID	131
Protein Refseq	NP_000664
UniProt ID	P40394
Chromosome Location	4q23-q24
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; alcohol dehydrogenase activity, zinc-dependent; aldehyde oxidase activity; ethanol binding; metal ion binding; nucleotide binding; oxidoreductase activity; receptor antagonist activity; retinol binding; retinol dehydr