Recombinant Human ADH4 cell lysate

Cat. No. ADH4-29HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Description	This gene encodes class II alcohol dehydrogenase 4 pi 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 II alcohol dehydrogenase is a homodimer composed of 2 pi subunits. It exhibits a high activity for oxidation of long-chain aliphatic alcohols and aromatic alcohols and is less sensitive to pyrazole. This gene is localized to chromosome 4 in the cluster of alcohol dehydrogenase genes.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	ADH4 alcohol dehydrogenase 4 (class II), pi polypeptide [Homo sapiens]
Official Symbol	ADH4
Synonyms	ADH4; alcohol dehydrogenase 4 (class II), pi polypeptide; alcohol dehydrogenase 4;

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	ADH 2; aldehyde reductase; alcohol dehydrogenase class II pi chain; ADH-2;
Gene ID	127
mRNA Refseq	NM_000670
Protein Refseq	NP_000661
MIM	103740
UniProt ID	P08319
Chromosome Location	4q22
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	NAD binding; NADPH:quinone reductase activity; alcohol dehydrogenase (NAD) activity; alcohol dehydrogenase activity, zinc-dependent; alditol:NADP+ 1-oxidoreductase activity; all-trans retinal binding; benzaldehyde dehydrogenase activity; metal ion binding; oxidoreductase activity; oxidoreductase activity, acting on the aldehyde or oxo group of donors, NAD or NADP as acceptor; retinol binding; retinol dehydrogenase activity; zinc ion binding;

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