



# Anti-DHDH monoclonal antibody (DCABH-11272)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes an enzyme that belongs to the family of dihydrodiol dehydrogenases, which exist in multiple forms in mammalian tissues and are involved in the metabolism of xenobiotics and sugars. These enzymes catalyze the NADP1-linked oxidation of transdihydrodiols of aromatic hydrocarbons to corresponding catechols. This enzyme is a dimeric dihydrodiol dehydrogenase, and it differs from monomeric dihydrodiol dehydrogenases in its high substrate specificity for trans-dihydrodiols of aromatic hydrocarbons in the oxidative direction.
<b>Immunogen</b>	A synthetic peptide of human DHDH is used for rabbit immunization.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot (Transfected lysate); ELISA
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">DHDH dihydrodiol dehydrogenase (dimeric) [ Homo sapiens ]</a>
Official Symbol	DHDH
Synonyms	DHDH; dihydrodiol dehydrogenase (dimeric); trans-1,2-dihydrobenzene-1,2-diol dehydrogenase; HUM2DD; D-xylose 1-dehydrogenase; 3-deoxyglucosone reductase; D-xylose-NADP dehydrogenase; 2DD;
Entrez Gene ID	<a href="#">27294</a>
Protein Refseq	<a href="#">NP_055290</a>
UniProt ID	<a href="#">Q9UQ10</a>
Chromosome Location	19q13.3
Pathway	Metabolism of xenobiotics by cytochrome P45, organism-specific biosystem; Metabolism of xenobiotics by cytochrome P45, conserved biosystem; Pentose and glucuronate interconversions, organism-specific biosystem; Pentose and glucuronate interconversions, conserved biosystem.
Function	D-xylose 1-dehydrogenase (NADP+) activity; NAD(P)+ transhydrogenase activity; electron carrier activity; nucleotide binding; oxidoreductase activity; trans-1,2-dihydrobenzene-1,2-diol dehydrogenase activity;