

DNAxPAb

Hard-to-Find
Antibody

ADH5 DNAxPab

Catalog # H00000128-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ADH5 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MANEVIKCKAAVAWEAGKPLSIEEIEVAPPKAHEVRIKIIATAVCHTDAYTLSGADPEGCFPVILGHE GAGVESVGEGVTKLKAGDTVIPLYPQCGECKFCLNPKTNLCQKIRVTQGKGLMPDGTSRFTCKG KTILHYMGSTSFSEYTVVADISVAKIDPLAPLDKVCLLGCGISTGYGAAVNTAKLEPGSVCAVFLG GVGLAVIMGCKVAGASRIIGVDINKDKFARAKEFGATECINPQDFS KPIQEVLIEMTDGGVDYSFECI GNVKVMRAALEACHKGWGVSVVVGVAASGEEIATRPQLVTGRTWKGTAFGGWKSVESVPKL VSEYMSKKIKVDEFVTHNLSFDEINKAFELMHSGKSIRTVVKI
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (94)
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — ADH5

Entrez GeneID [128](#)

GeneBank Accession# [NM_000671.3](#)

Protein Accession# [NP_000662.3](#)

Gene Name ADH5

Gene Alias ADH-3, ADHX, FDH, GSNOR

Gene Description alcohol dehydrogenase 5 (class III), chi polypeptide

Omim ID [103710](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes 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 encoded protein forms a homodimer. It has virtually no activity for ethanol oxidation, but exhibits high activity for oxidation of long-chain primary alcohols and for oxidation of S-hydroxymethyl-glutathione, a spontaneous adduct between formaldehyde and glutathione. This enzyme is an important component of cellular metabolism for the elimination of formaldehyde, a potent irritant and sensitizing agent that causes lacrymation, rhinitis, pharyngitis, and contact dermatitis. The human genome contains several non-transcribed pseudogenes related to this gene. [provided by RefSeq]

Other Designations alcohol dehydrogenase (class III), chi polypeptide|class III alcohol dehydrogenase 5|formaldehyde dehydrogenase|glutathione-dependent formaldehyde dehydrogenase

Pathway

- [1- and 2-Methylnaphthalene degradation](#)
- [3-Chloroacrylic acid degradation](#)
- [Drug metabolism - cytochrome P450](#)
- [Fatty acid metabolism](#)
- [Glycolysis / Gluconeogenesis](#)

- [Metabolic pathways](#)
- [Metabolism of xenobiotics by cytochrome P450](#)
- [Methane metabolism](#)
- [Retinol metabolism](#)
- [Tyrosine metabolism](#)

Disease

- [Alcoholism](#)
- [Asthma](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Disease Models](#)
- [Diseases in Twins](#)
- [Flushing](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hearing Loss](#)
- [Hypersensitivity](#)
- [Lymphoma](#)
- [Narcolepsy](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Substance-Related Disorders](#)