

DNAXPAb

Hard-to-Find  
Antibody

# ADH4 DNAXPab

Catalog # H00000127-W01P

Size 200 ug

## Specification

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description           | Rabbit polyclonal antibody raised against a full-length human ADH4 DNA using DNAX™ Immune technology.                                                                                                                                                                                                                                                                                                            |
| Technology                    | <a href="#">DNAX™ Immune</a>                                                                                                                                                                                                                                                                                                                                                                                     |
| Immunogen                     | Full-length human DNA                                                                                                                                                                                                                                                                                                                                                                                            |
| Sequence                      | MGTKGKVIKCKAAIAWEAGKPLCIEEVEVAPPKAHEVRIQIIATSLCHTDATVIDSKFEGLAFPVIVG<br>HEAAGVESIGPGVTNVKPGDKVIPLYAPLCRKCKFCLSPLTNLCGKISNLKSPASDQQLMEDKTS<br>RFTCKGKPVYHFFGTSTFSQYTVVSDINLAKIDDDANLERVCLLGCGFSTGYGAANNNAKVTPGST<br>CAVFGLGGVGLSAVMGCKAAGASRIIGIDINSEKFVKAKALGATDCLNPRDLHKPIQEVIIELTKGG<br>VDFALDCAGGSETMKAALDCTTAGWGSCTFIGVAAGSKGLTVFPEELIIGRTINGTFFGGWKSVD<br>SIPKLVTDYKNKKFNLDALVTHTLPPFDKISEAFDLMNQGKSIRTILIF |
| Host                          | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                           |
| Reactivity                    | Human                                                                                                                                                                                                                                                                                                                                                                                                            |
| Interspecies Antigen Sequence | Mouse (72); Rat (72)                                                                                                                                                                                                                                                                                                                                                                                             |
| 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 — ADH4

Entrez GeneID [127](#)

GeneBank Accession# [BC022319.1](#)

Protein Accession# [AAH22319.1](#)

Gene Name ADH4

Gene Alias ADH-2

Gene Description alcohol dehydrogenase 4 (class II), pi polypeptide

Omim ID [103740](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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. [provided by RefSeq]

**Other Designations** aldehyde reductase|class II alcohol dehydrogenase 4, pi subunit

## 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](#)
- [Retinol metabolism](#)
- [Tyrosine metabolism](#)

## Disease

- [Adenocarcinoma](#)
- [Alcohol-Induced Disorders](#)
- [Alcoholism](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cluster Headache](#)
- [Disease Models](#)
- [Diseases in Twins](#)
- [Esophageal Neoplasms](#)
- [Extraversion \(Psychology\)](#)
- [Flushing](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hearing Loss](#)
- [Kidney Failure](#)
- [Parkinson disease](#)
- [Personality Inventory](#)
- [Substance-Related Disorders](#)