

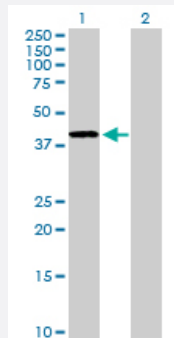
MaxPab®

ADH4 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000127-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ADH4 expression in transfected 293T cell line ([H00000127-T01](#)) by ADH4 MaxPab polyclonal antibody.

Lane 1: ADH4 transfected lysate (40.20 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ADH4 protein.
Immunogen	ADH4 (AAH22319.1, 1 a.a. ~ 380 a.a) full-length human protein.
Sequence	MGTKGKVIKCKAAIAWEAGKPLCIEEVEVAPPKAHEVRIQIIATSLCHTDATVIDSKFEGLAFPVIVG HEAAGVIESIGPGVTNVKPGDKVIPLIYAPLCRKCKFCLSPLTNLGKISNLKSPASDQQLMEDKTS RFTCKGKPVYHFFGTSTFSQYTVVSDINLAKIDDDANLERVCLLGCGFSTGYGAANNKVTGST CAVFGGLGGVGLSAVMGCKAAGASRIIGIDINSEKFKAKALGATDCLNPRDLHKPIQEVIIELTKGG VDFALDCAGGSETMKAALDCTTAGWGSCTFIGVAAGSKGLTVFPEELIIGRTINGTFFGGWKSVD SIPKLVTDYKNKKFNLDALVTHLTPFDKISEAFDLMNQGKSIRTILIF
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (72); Rat (72)
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.

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[Protocol Download](#)

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](#)