

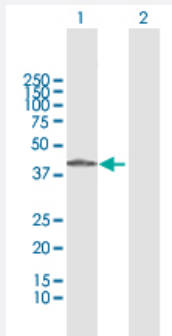
MaxPab®

ADH7 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00000131-D01

Size 100 uL

Applications

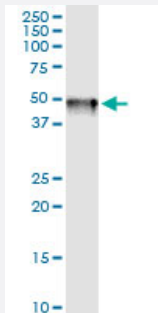


Western Blot (Transfected lysate)

Western Blot analysis of ADH7 expression in transfected 293T cell line ([H00000131-T02](#)) by ADH7 MaxPab polyclonal antibody.

Lane 1: ADH7 transfected lysate(41.5 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of ADH7 transfected lysate using anti-ADH7 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with ADH7 purified MaxPab mouse polyclonal antibody (B01P) ([H00000131-B01P](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human ADH7 protein.

Immunogen

ADH7 (NP_000664.2, 1 a.a. ~ 386 a.a) full-length human protein.

Sequence

MFAEIQQDKDRMGTAGKVIKCKAAVLWEQKQPFSEIEVAPPKTKEVRIKILATGICRTDDHVIKG
TMVSKFPVVGHEATGIVESIGEGVTTVKPGDKVIPLFLPQCRCNACRNPDGNLCIRSDITGRGVL
ADGTTRFTCKGKPVHHFMNTSTFTEYTVVDESSVAKIDDAAPPEKVCLIGCGFSTGYGAAVKTGK
VKPGSTCVVFGGLGGVGLSVIMGCKSAGASRIIGIDLNKDKFEKAMAVGATECISPKDSTKPISEVLS
EMTGNNVGYTFEVIGHLETMDALASCHMNYGTSVVVGVPSPAKMLTYDPMMLFTGRTWKGCVF
GLKSRDDVPKLVTEFLAKKFDLDQLITHVLPFKKISEGFELLNSGQSIRTVLTF

Host

Rabbit

Reactivity	Human
Interspecies Antigen Sequence	Mouse (89)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

- Immunoprecipitation

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[Protocol Download](#)

Gene Info — ADH7

Entrez GeneID	131
GeneBank Accession#	NM_000673.3
Protein Accession#	NP_000664.2
Gene Name	ADH7
Gene Alias	ADH-4
Gene Description	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide
Omim ID	600086
Gene Ontology	Hyperlink

Gene Summary

This gene encodes class IV alcohol dehydrogenase 7 mu or sigma subunit, which is 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 enzyme encoded by this gene is inefficient in ethanol oxidation, but is the most active as a retinol dehydrogenase; thus it may participate in the synthesis of retinoic acid, a hormone important for cellular differentiation. The expression of this gene is much more abundant in stomach than liver, thus differing from the other known gene family members. [provided by RefSeq]

Other Designations

alcohol dehydrogenase-7[class IV alcohol dehydrogenase 7 mu or sigma subunit]gastric alcohol 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](#)
- [Retinol metabolism](#)
- [Tyrosine metabolism](#)

Disease

- [Alcohol-Induced Disorders](#)
- [Alcoholism](#)
- [Atherosclerosis](#)
- [Carcinoma](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)

- [Disease Models](#)
- [Esophageal Neoplasms](#)
- [Extraversion \(Psychology\)](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hearing Loss](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Multiple System Atrophy](#)
- [Oropharyngeal Neoplasms](#)
- [Substance-Related Disorders](#)