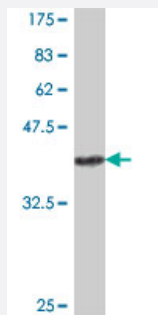


ADH7 polyclonal antibody (A01)

Catalog # H00000131-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (38.21 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant ADH7.
Immunogen	ADH7 (NP_000664, 257 a.a. ~ 366 a.a) partial recombinant protein with GST tag.
Sequence	MTGNNVGYTFEVIGHLETMDALASCHMNYGTSVVVGVPSPAKMLTYDPMLLFTGRTWKGCVFG GLKSRDDVPKLVTEFLAKKFDLDQLITHVLPFKKISEGFELLNSGQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (86)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.21 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — ADH7

Entrez GeneID [131](#)

GeneBank Accession# [NM_000673](#)

Protein Accession# [NP_000664](#)

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](#)