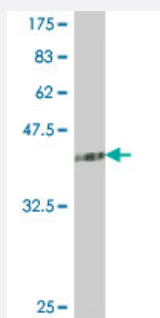


ADH1A polyclonal antibody (A01)

Catalog # H00000124-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (34.69 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant ADH1A.
Immunogen	ADH1A (NP_000658, 298 a.a. ~ 375 a.a) partial recombinant protein with GST tag.
Sequence	DSQNLSMNPMMLLTGRTWKGAILGGFKSKECVPKLVADFMKKFSLDALITHVLPFEKINEGFDLL HSGKSIRTILMF
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.69 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 — ADH1A

Entrez GeneID [124](#)

GeneBank Accession# [NM_000667](#)

Protein Accession# [NP_000658](#)

Gene Name ADH1A

Gene Alias ADH1

Gene Description alcohol dehydrogenase 1A (class I), alpha polypeptide

Omim ID [103700](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes class I alcohol dehydrogenase, alpha 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 I alcohol dehydrogenase, consisting of several homo- and heterodimers of alpha, beta, and gamma subunits, exhibits high activity for ethanol oxidation and plays a major role in ethanol catabolism. Three genes encoding alpha, beta and gamma subunits are tandemly organized in a genomic segment as a gene cluster. This gene is monomorphic and predominant in fetal and infant livers, whereas the genes encoding beta and gamma subunits are polymorphic and strongly expressed in adult livers. [provided by RefSeq]

Other Designations ADH, alpha subunit|alcohol dehydrogenase 1 (class I), alpha polypeptide|aldehyde reductase|class I alcohol dehydrogenase, alpha 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

- [Alcoholism](#)
- [Alzheimer disease](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Huntington disease](#)
- [Metabolic Syndrome X](#)
- [Mouth Neoplasms](#)
- [Neoplasms](#)
- [Osteoporosis](#)

- [Parkinson disease](#)
- [Pharyngeal Neoplasms](#)
- [Stomach Neoplasms](#)
- [Substance-Related Disorders](#)
- [Tremor](#)