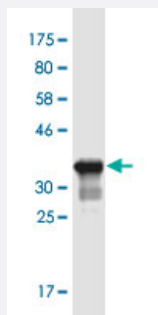


ADH1A monoclonal antibody (M01), clone 2G2

Catalog # H00000124-M01

Size 100 ug

Applications



Western Blot detection against Immunogen (34.32 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ADH1A.
Immunogen	ADH1A (NP_000658, 298 a.a. ~ 375 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	DSQNLSMNPM LLLTGRTWKGAILGGFKSKECVPKLVADFM AKKFSLDALITHVLPFEKINEGFDLLHSGKSIRTILMF
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.32 KDa) .
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 (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](#)