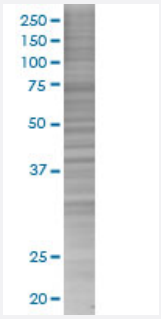
ADH4 293T Cell Transient Overexpression Lysate(Denatured)

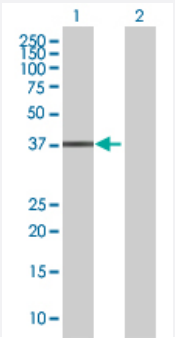
Catalog # H00000127-T01 Size 100 uL

Applications



SDS-PAGE Gel

ADH4 transfected lysate.



Western Blot

Lane 1: ADH4 transfected lysate (40.2 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ADH4 full-length
Host	Human
Theoretical MW (kDa)	40.2
Interspecies Antigen Sequence	Mouse (72); Rat (72)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-ADH4 antibody (H00000127-B01) by Western Blots. SDS-PAGE Gel ADH4 transfected lysate. Western Blot Lane 1: ADH4 transfected lysate (40.2 KDa) Lane 2: Non-transfected lysate.
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — ADH4

Entrez GeneID	127
GeneBank Accession#	BC022319.1
Protein Accession#	-
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