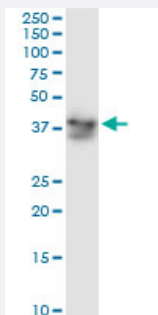


ADH5 monoclonal antibody (M01), clone 12F7

Catalog # H00000128-M01

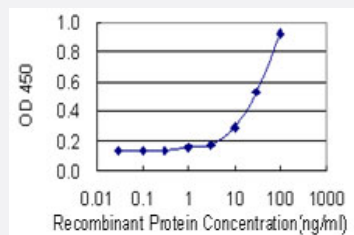
Size 100 ug

Applications



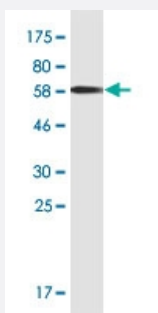
Western Blot (Cell lysate)

ADH5 monoclonal antibody (M01), clone 12F7. Western Blot analysis of ADH5 expression in K-562.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ADH5 is 1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (66.88 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant ADH5.

Immunogen	ADH5 (AAH14665, 1 a.a. ~ 374 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MANEVIKCKAAVAWEAGKPLSIEEIEVAPPKAHEVRIKIATAVCHTDAYTLSGADPEGCFPVILGHE GAGIVESVGEGVTCLKAGDTVIPLYPQCGECKFCLNPKTNLCQKIRVTQGGKGLMPDGTSRFTCKG KTIHYMGTSSTFSEYTVVADISVAKIDPLAPLDKVCLLGCGISTGYGAAVNTAKLEPGSVCAVFLG GVGLAVIMGCKVAGASRIGVDINKDKFARAKEFGATECINPQDFSKPIQEVLIEMTDGGVDYSFECI GNVKVMRAALEACHKGWGVSVVVGVAASGGEIATRPFLVTGRTWKGTAFGGWKSVESVPKL VSEYMSKKIKVDEFVTHNLSFDEINKAFELMHSGKSIRTVVKI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (94)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (66.88 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 (Cell lysate)

ADH5 monoclonal antibody (M01), clone 12F7. Western Blot analysis of ADH5 expression in K-562.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ADH5 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ADH5

Entrez GeneID [128](#)

GeneBank Accession# [BC014665](#)

Protein Accession# [AAH14665](#)

Gene Name ADH5

Gene Alias ADH-3, ADHX, FDH, GSNOR

Gene Description alcohol dehydrogenase 5 (class III), chi polypeptide

Omim ID [103710](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes 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 encoded protein forms a homodimer. It has virtually no activity for ethanol oxidation, but exhibits high activity for oxidation of long-chain primary alcohols and for oxidation of S-hydroxymethyl-glutathione, a spontaneous adduct between formaldehyde and glutathione. This enzyme is an important component of cellular metabolism for the elimination of formaldehyde, a potent irritant and sensitizing agent that causes lacrymation, rhinitis, pharyngitis, and contact dermatitis. The human genome contains several non-transcribed pseudogenes related to this gene. [provided by RefSeq]

Other Designations alcohol dehydrogenase (class III), chi polypeptide|class III alcohol dehydrogenase 5|formaldehyde dehydrogenase|glutathione-dependent formaldehyde 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](#)

- [Methane metabolism](#)
- [Retinol metabolism](#)
- [Tyrosine metabolism](#)

Disease

- [Alcoholism](#)
- [Asthma](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Disease Models](#)
- [Diseases in Twins](#)
- [Flushing](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hearing Loss](#)
- [Hypersensitivity](#)
- [Lymphoma](#)
- [Narcolepsy](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Substance-Related Disorders](#)