

ADH1C rabbit monoclonal antibody

Catalog # H00000126-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ADH1C peptide using ARM Technology.
Immunogen	A synthetic peptide of human ADH1C is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human ADH1C peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — ADH1C

Entrez GeneID	126
GeneBank Accession#	ADH1C
Gene Name	ADH1C
Gene Alias	ADH3
Gene Description	alcohol dehydrogenase 1C (class I), gamma polypeptide
Omim ID	103730
Gene Ontology	Hyperlink
Gene Summary	This gene encodes class I alcohol dehydrogenase, gamma 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. [provided by RefSeq]
Other Designations	ADH, gamma subunit alcohol dehydrogenase 3 (class I), gamma polypeptide aldehyde reductase class I alcohol dehydrogenase, gamma 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](#)
- [Adenoma](#)
- [Adenomatous Polyps](#)
- [Alcohol Withdrawal Delirium](#)
- [Alcohol-Induced Disorders](#)
- [Alcoholism](#)
- [Atherosclerosis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cell Transformation](#)
- [Cerebrovascular Accident](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colonic Polyps](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)

- [Coronary Disease](#)
- [Craniofacial Abnormalities](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Diseases in Twins](#)
- [Drug Hypersensitivity](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Fetal Diseases](#)
- [Flushing](#)
- [Gastrointestinal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hearing Loss](#)
- [Heart Diseases](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Hypopharyngeal Neoplasms](#)
- [Infection](#)
- [Inflammation](#)
- [Laryngeal Neoplasms](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Liver Neoplasms](#)

- [Lung Neoplasms](#)
- [Microsatellite Instability](#)
- [Migraine Disorders](#)
- [Mouth Abnormalities](#)
- [Mouth Neoplasms](#)
- [Musculoskeletal Diseases](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Oropharyngeal Neoplasms](#)
- [Osteonecrosis](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pancreatitis](#)
- [Parkinson disease](#)
- [Perception](#)
- [Pharyngeal Neoplasms](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prenatal Exposure Delayed Effects](#)
- [Pulmonary Disease](#)
- [Skin Diseases](#)
- [Stomach Neoplasms](#)
- [Substance-Related Disorders](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)