

Anti-ADH7 Antibody

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS18510

Product Information

Application	WB, IHC-P, E
Primary Accession	P40394
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	41481

Additional Information

Gene ID	131
Alias Symbol	ADH7
Other Names	ADH7, Alcohol dehydrogenase VII, ADH-4, Alcohol dehydrogenase-7, Gastric alcohol dehydrogenase, Retinol dehydrogenase
Target/Specificity	Human ADH7
Reconstitution & Storage	Caprylic acid and ammonium sulfate precipitation
Precautions	Anti-ADH7 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ADH7 (HGNC:256)
Function	Catalyzes the NAD-dependent oxidation of all-trans-retinol, alcohol, and omega-hydroxy fatty acids and their derivatives (PubMed: 15369820 , PubMed: 16787387 , PubMed: 9600267). Oxidizes preferentially all trans-retinol, all-trans-4-hydroxyretinol, 9-cis- retinol, 2-hexenol, and long chain omega-hydroxy fatty acids such as juniperic acid (PubMed: 15369820 , PubMed: 16787387 , PubMed: 9600267). In vitro can also catalyze the NADH-dependent reduction of all-trans- retinal and aldehydes and their derivatives (PubMed: 15369820 , PubMed: 16787387 , PubMed: 9600267). Reduces preferentially all trans- retinal, all-trans-4-oxoretinal and hexanal (PubMed: 15369820 , PubMed: 16787387). Catalyzes in the oxidative direction with higher efficiency (PubMed: 15369820 , PubMed: 16787387). Therefore may participate in retinoid metabolism, fatty acid omega-oxidation, and elimination of cytotoxic aldehydes produced by lipid peroxidation (PubMed: 15369820 , PubMed: 16787387 , PubMed: 9600267).

Cellular Location	Cytoplasm.
Tissue Location	Preferentially expressed in stomach.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.