

Rabbit ADH5 Polyclonal Antibody | anti-ADH5 antibody

ADH5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326537	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

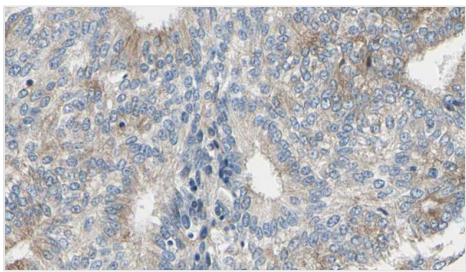
PRODUCT SYNONYMS

ADH5; Polyclonal Antibody; ADH5 Antibody; ADH 3; ADHX; ADHX_HUMAN; Alcohol dehydrogenase (class III) chi polypeptide; alcohol dehydrogenase 5 (class III) chi polypeptide; Alcohol dehydrogenase 5; Alcohol dehydrogenase class 3; Alcohol dehydrogenase class chi chain; Alcohol dehydrogenase class III; Alcohol dehydrogenase class-3; Alcohol dehydrogenase class-III; class III alcohol dehydrogenase 5 chi subunit; FALDH; FDH; formaldehyde dehydrogenase; Glutathione dependent formaldehyde dehydrogenase; Glutathione-dependent formaldehyde dehydrogenase; GSH-FDH; GSNOR; hydroxymethylutathione dehydrogenase; S-(hydroxymethyl)glutathione dehydrogenase; anti-ADH5 antibody

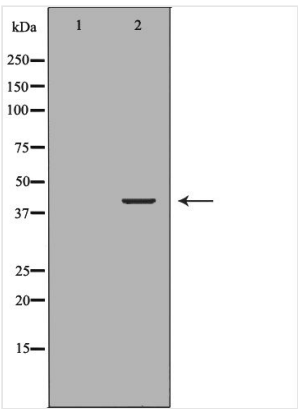
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ADH5 antibody detects endogenous levels of total ADH5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	374
Applicable Applications for anti-ADH5 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ADH5
Subcellular Location	Cytoplasm.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (89%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326537 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Mouse kidney lysate, using ADH5 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ADH5 antibody

Description: 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, Oct 2008]

Function: Class-III ADH is remarkably ineffective in oxidizing ethanol, but it readily catalyzes the oxidation of long-chain primary alcohols and the oxidation of S-(hydroxymethyl) glutathione.

Subunit Structure: Homodimer.

Similarity: Belongs to the zinc-containing alcohol dehydrogenase family. Class-III subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	71565154
NCBI GeneID	128
NCBI Accession #	NP_000662.3
NCBI GenBank Nucleotide #	NM_000671.4
UniProt Accession #	P11766; Q6FHR2
Molecular Weight	Observed: 40 kDa Predicted: 40 kDa
NCBI Official Full Name	alcohol dehydrogenase class-3
NCBI Official Synonym Full Names	alcohol dehydrogenase 5 (class III), chi polypeptide
NCBI Official Symbol	ADH5
NCBI Official Synonym Symbols	FDH; ADHX; ADH-3; FALDH; GSNOR; GSH-FDH; HEL-S-60p
NCBI Protein Information	alcohol dehydrogenase class-3
UniProt Protein Name	Alcohol dehydrogenase class-3
UniProt Gene Name	ADH5
UniProt Synonym Gene Names	FALDH; FDH; GSH-FDH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/adh5-antibody-immunohistochemistry-western-blot-elisa/326537>