

Product datasheet for **TA327239**

ADH5 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:500 - 1:2000;IHC 1:50- 1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human ADH5
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	alcohol dehydrogenase 5 (class III), chi polypeptide
Database Link:	NP_000662

[Entrez Gene 11532 Mouse](#)[Entrez Gene 100145871 Rat](#)[Entrez Gene 128 Human P11766](#)

Background:

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.



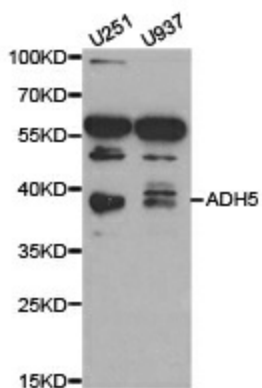
[View online »](#)

Synonyms: ADH-3; ADHX; FALDH; FDH; GSH-FDH; GSNOR; HEL-S-60p

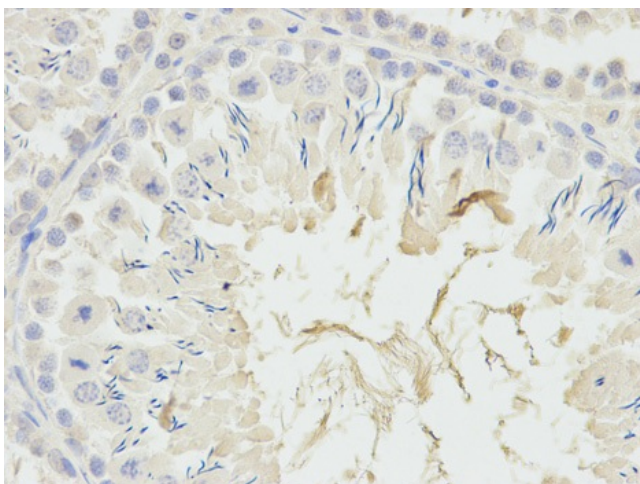
Protein Families: Druggable Genome

Protein Pathways: Drug metabolism - cytochrome P450, Fatty acid metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways, Metabolism of xenobiotics by cytochrome P450, Methane metabolism, Retinol metabolism, Tyrosine metabolism

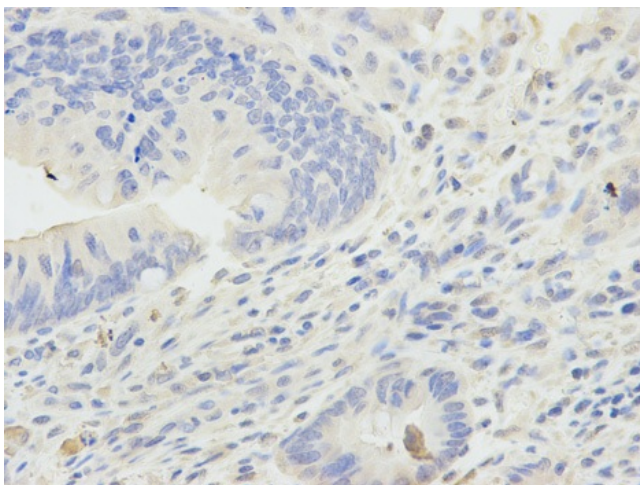
Product images:



Western blot analysis of extracts of various cell lines, using ADH5 antibody.



Immunohistochemistry of paraffin-embedded human rectal cancer using ADH5 antibody at dilution of 1:200 (400x lens).



Immunohistochemistry of paraffin-embedded rat testis using ADH5 antibody at dilution of 1:200 (400x lens).