

## Rabbit ADH5 Polyclonal Antibody | anti-ADH5 antibody

ADH5 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                           |
|-----------|--------|-------------------|--------------------------------------------------------|
| AAA301696 | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot |

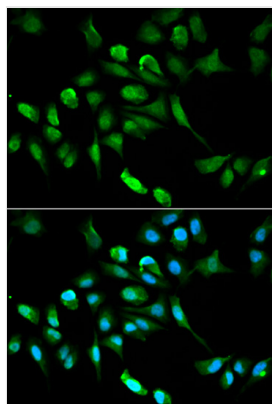
### PRODUCT SYNONYMS

ADH5; Polyclonal Antibody; ADH5 Antibody; FDH; ADHX; ADH-3; FALDH; GSNOR; anti-ADH5 antibody

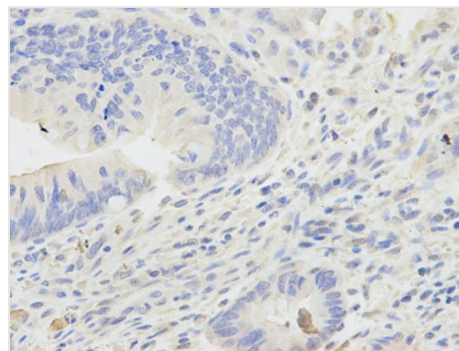
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                              |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                       |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                            |
| Clonality                                      | Polyclonal                                                                                                                                                   |
| Specificity                                    | The antibody detects endogenous level of total ADH5 protein.                                                                                                 |
| Purity/Purification                            | Antibodies were purified by affinity purification using immunogen.                                                                                           |
| Form/Format                                    | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                  | 1.0 mg/ml (varies by lot)                                                                                                                                    |
| Sequence Length                                | 374                                                                                                                                                          |
| Applicable Applications for anti-ADH5 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                       |
| Immunogen Type                                 | Recombinant Protein                                                                                                                                          |
| Immunogen Description                          | Recombinant protein of human ADH5.                                                                                                                           |
| Target Name                                    | ADH5                                                                                                                                                         |
| Preparation and Storage                        | Store at -20 degree C                                                                                                                                        |

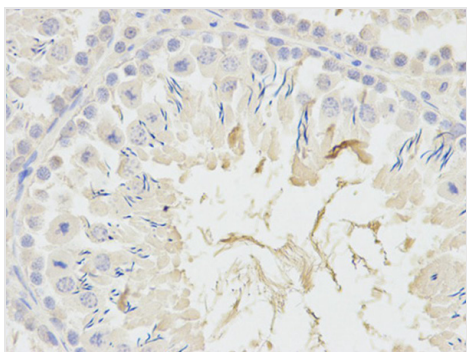
### IMAGES


**IF (Immunofluorescence)**

Immunofluorescence analysis of HepG2 cell using ADH5 antibody. Blue: DAPI for nuclear staining.

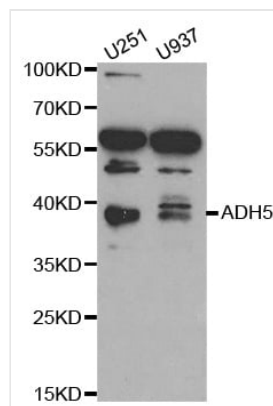

**IHC (Immunohistochemistry)**

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



#### IHC (Immunohistochemistry)

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



#### WB (Western Blot)

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

## ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-ADH5 antibody</b> | 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. |
| <b>Product Categories/Family for anti-ADH5 antibody</b>   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                      |
|-----------------------------------------|------------------------------------------------------|
| <b>NCBI GI #</b>                        | 71565154                                             |
| <b>NCBI GeneID</b>                      | 128                                                  |
| <b>NCBI Accession #</b>                 | NP_000662.3                                          |
| <b>NCBI GenBank Nucleotide #</b>        | NM_000671.4                                          |
| <b>UniProt Accession #</b>              | P11766; Q6FHR2                                       |
| <b>Molecular Weight</b>                 | 39,724 Da                                            |
| <b>NCBI Official Full Name</b>          | alcohol dehydrogenase class-3                        |
| <b>NCBI Official Synonym Full Names</b> | alcohol dehydrogenase 5 (class III), chi polypeptide |
| <b>NCBI Official Symbol</b>             | ADH5                                                 |
| <b>NCBI Official Synonym Symbols</b>    | FDH; ADHX; ADH-3; FALDH; GSNOR; GSH-FDH              |
| <b>NCBI Protein Information</b>         | alcohol dehydrogenase class-3                        |
| <b>UniProt Protein Name</b>             | Alcohol dehydrogenase class-3                        |
| <b>UniProt Gene Name</b>                | <b>ADH5</b>                                          |
| <b>UniProt Synonym Gene Names</b>       | FALDH; FDH; GSH-FDH                                  |
| <b>UniProt Entry Name</b>               | ADHX_HUMAN                                           |

**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.

