

## Rabbit anti-Human, Rat ADH5 Polyclonal Antibody | anti-ADH5 antibody

ADH5 Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                       |
|-----------|--------|------------|------------------------------------|
| AAA281063 | Rabbit | Human, Rat | Immunohistochemistry, Western Blot |

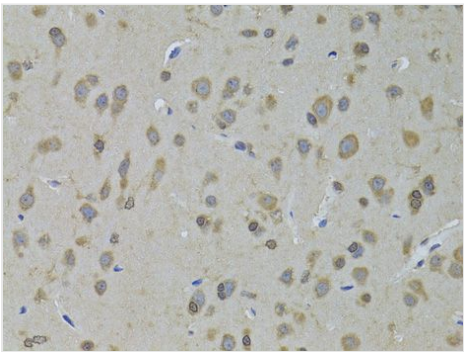
### PRODUCT SYNONYMS

ADH5; Polyclonal Antibody; ADH5 Polyclonal Antibody; ADH-3; ADHX; FALDH; FDH; GSH-FDH; GSNOR; HEL-S-60p; anti-ADH5 antibody

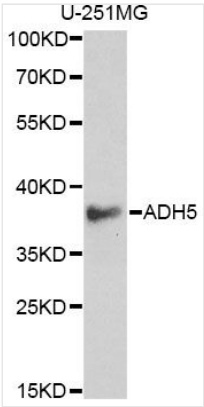
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                                             |
| Reactivity                                     | Human, Rat                                                                                                                                                                                                                                                                                         |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                         |
| Isotype                                        | IgG                                                                                                                                                                                                                                                                                                |
| Purity/Purification                            | Affinity Purification                                                                                                                                                                                                                                                                              |
| Sequence                                       | MANEVIKCKA AVAWEAGKPL SIEEIEVAPP KAHEVRIKII ATAVCHTDAY TLSGADPEGC FPVILGHEGA<br>GIVESVGEGV TKLKAGDTVI PLYIPQCGEC KFCLNPKTNL CQKIRVTQ GK GLMPDGTSRF TCKGKTILHY<br>MGTSTFSEYT VVADISVAKI DPLAPLDKVC LLGCGISTGY GAAVNTAKLE PGSVCAVFGL GGVGLAVIMG<br>CKVAGASRII GVDINKDKFA RAKEFGATEC INPQDFSKPI QEVLI |
| Sequence Length                                | 374                                                                                                                                                                                                                                                                                                |
| Applicable Applications for anti-ADH5 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                                                                      |
| Immunogen                                      | Recombinant protein of human ADH5                                                                                                                                                                                                                                                                  |
| Immunogen Species                              | Human                                                                                                                                                                                                                                                                                              |
| Storage Buffer                                 | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                                                                                                                                                                                                  |
| Cellular Location                              | Cytoplasm                                                                                                                                                                                                                                                                                          |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze / thaw cycles.                                                                                                                                                                                                                                                 |

IMAGES



**IHC (Immunohistochemistry)**  
Immunohistochemistry of paraffin-embedded rat brain using ADH5 antibody at dilution of 1:100 (40x lens).



**WB (Western Blot)**  
Western blot analysis of extracts of U-251MG cells, using ADH5 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ADH5 antibody | 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. |
| Product Categories/Family for anti-ADH5 antibody   | Polyclonal Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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                 | Calculated: 39kDa<br>Observed: 40kDa                 |
| 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/281063>