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## anti-PRODH antibody





#### Overview

| Quantity:    | 200 μL                               |
|--------------|--------------------------------------|
| Target:      | PRODH                                |
| Reactivity:  | Human, Mouse, Rat                    |
| Host:        | Rabbit                               |
| Clonality:   | Polyclonal                           |
| Conjugate:   | This PRODH antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC)           |

#### Product Details

| Immunogen:       | Recombinant fusion protein of human PRODH (NP_057419.4). |
|------------------|--|
| Isotype:         | IgG  |
| Characteristics: | Polyclonal Antibody                                      |
| Purification:    | Affinity purification                                    |

#### **Target Details**

| Target:           | PRODH   |
|-------------------|---|
| Alternative Name: | PRODH (PRODH Products)  |
| Background:       | This gene encodes a mitochondrial protein that catalyzes the first step in proline degradation. |
|                   | Mutations in this gene are associated with hyperprolinemia type 1 and susceptibility to         |
|                   | schizophrenia 4 (SCZD4). This gene is located on chromosome 22q11.21, a region which has        |
|                   | also been associated with the contiguous gene deletion syndromes, DiGeorge and CATCH22.         |

#### Target Details

|           | Alternatively spliced transcript variants encoding different isoforms have been found for this gene. |
|-----------|--|
| Gene ID:  | 5625   |
| UniProt:  | 043272   |
| Pathways: | Response to Water Deprivation, Monocarboxylic Acid Catabolic Process                                 |

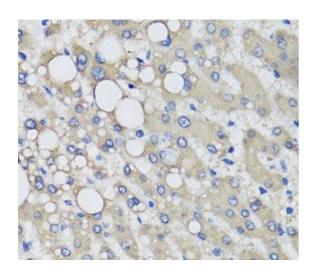
## **Application Details**

| Application Notes: | IHC 1:50-1:200        |
|--------------------|-----------------------|
| Restrictions:      | For Research Use only |

### Handling

| Format:            | Liquid   |
|--------------------|--|
| Concentration:     | 1 mg/mL  |
| Buffer:            | PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3  |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C   |
| Storage Comment:   | Store at -20°C. Avoid freeze / thaw cycles.  |

#### **Images**



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of paraffin-embedded Human liver damage using PRODH Polyclonal Antibody at dilution of 1:100 (40x lens).