

Datasheet for ABIN5647841  
**anti-DHODH antibody (AA 132-173)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	100 µg
Target:	DHODH
Binding Specificity:	AA 132-173
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Amino acids 132-173 (RVFRLPEDQAVINRYGFNSHGLSVVEHRLRARQKQAKLTED) from the human protein were used as the immunogen for the DHODH antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

## Target Details

Target:	DHODH
Alternative Name:	DHODH ( <a href="#">DHODH Products</a> )
Background:	Dihydroorotate dehydrogenase is an enzyme that in humans is encoded by the DHODH gene on chromosome 16. The protein encoded by this gene catalyzes the fourth enzymatic step, the ubiquinone-mediated oxidation of dihydroorotate to orotate, in de novo pyrimidine biosynthesis. This protein is a mitochondrial protein located on the outer surface of the inner mitochondrial

## Target Details

membrane.

UniProt: [Q02127](#)

Pathways: [Ribonucleoside Biosynthetic Process](#), [Protein targeting to Nucleus](#)

## Application Details

Application Notes: Western blot: 0.5-1 µg/mL, IHC (FFPE): 1-2 µg/mL

Restrictions: For Research Use only

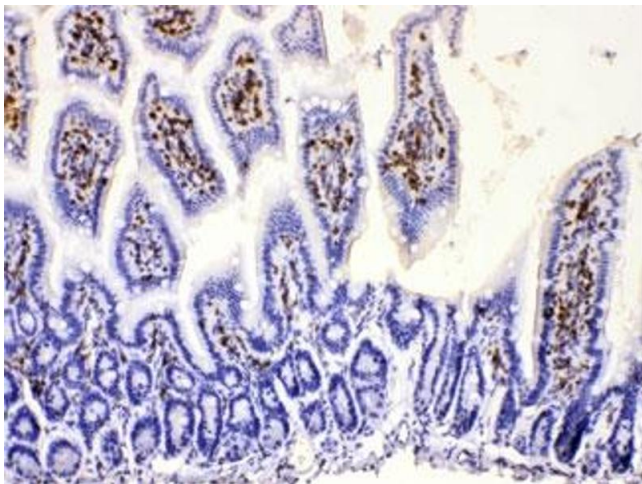
## Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

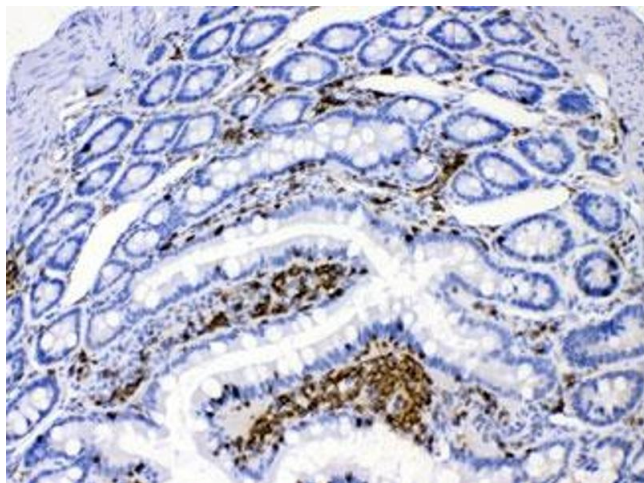
Storage Comment: After reconstitution, the DHODH antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

## Images



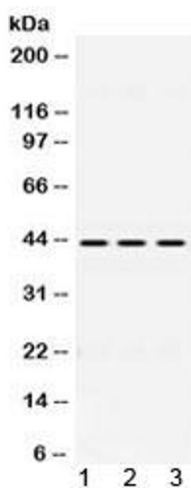
### Immunohistochemistry

**Image 1.** IHC testing of FFPE mouse intestine with DHODH antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.



### Immunohistochemistry

**Image 2.** IHC testing of FFPE rat intestine with DHODH antibody at 1ug/ml. HIER: steam section in pH6 citrate buffer for 20 min.



### Western Blotting

**Image 3.** Western blot testing of 1) rat liver, 2) mouse spleen and 3) human HepG2 lysate with DHODH antibody at 0.5ug/ml. Predicted/observed molecular weight ~43 kDa.