

## Datasheet for ABIN631070 **anti-HADHB antibody**

### 3 Images



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### Overview

Quantity:	100 µL
Target:	HADHB
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HADHB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

### Product Details

Immunogen:	HADHB antibody was raised using a synthetic peptide corresponding to a region with amino acids LLLGPTYATPKVLEKAGLTMNDIDAFEFHEAFSGQILANFKAMDSDWFAE
Purification:	Affinity purified

### Target Details

Target:	HADHB
Alternative Name:	HADHB ( <a href="#">HADHB Products</a> )
Background:	HADHB is the beta subunit of the mitochondrial trifunctional protein, which catalyzes the last three steps of mitochondrial beta-oxidation of long chain fatty acids. The mitochondrial membrane-bound heterocomplex is composed of four alpha and four beta subunits, with the beta subunit catalyzing the 3-ketoacyl-CoA thiolase activity. Mutations in HADHB gene result in trifunctional protein deficiency. The protein can also bind RNA and decreases the stability of

## Target Details

some mRNAs.

Molecular Weight: 47 kDa (MW of target protein)

Pathways: [Monocarboxylic Acid Catabolic Process](#)

## Application Details

Application Notes: WB: 0.2-1 µg/mL, IHC: 1 µg/mL  
Optimal conditions should be determined by the investigator.

Comment: HADHB Blocking Peptide, catalog no. 33R-5158, is also available for use as a blocking control in assays to test for specificity of this HADHB antibody

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of HADHB antibody in PBS

Concentration: Lot specific

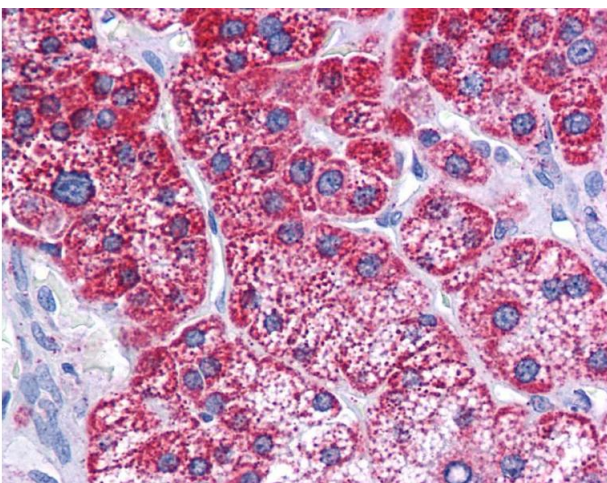
Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: 4 °C/-20 °C

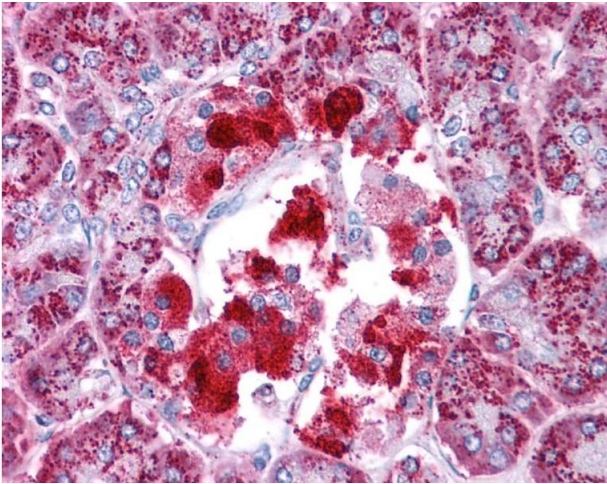
Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.

## Images



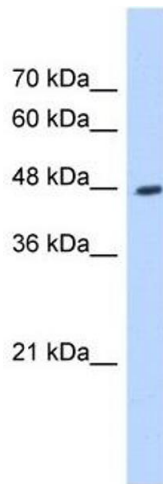
### Immunohistochemistry

**Image 1.** HADHB antibody was used for immunohistochemistry at a concentration of 4-8 µg/ml. Magnification is at 400X



### Immunohistochemistry

**Image 2.** HADHB antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml. Magnification is at 400X



### Western Blotting

**Image 3.** Western Blot showing HADHB antibody used at a concentration of 1-2 ug/ml to detect its target protein.