

**Anti-HADHB Antibody**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS18607**

## Specification

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### Anti-HADHB Antibody - Product Information

Application	WB, IHC-P, IF
Primary Accession	<a href="#">P55084</a>
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	51294

### Anti-HADHB Antibody - Additional Information

Gene ID 3032

Alias Symbol **HADHB**  
**Other Names**  
HADHB, Acetyl-CoA acyltransferase, Beta-ketothiolase, ECHB, MTPB, MSTP029, TP-BETA

**Target/Specificity**  
Human HADHB

**Reconstitution & Storage**  
Affinity purified

**Precautions**  
Anti-HADHB Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### Anti-HADHB Antibody - Protein Information

Name HADHB

**Function**  
Mitochondrial trifunctional enzyme catalyzes the last three of the four reactions of the mitochondrial beta-oxidation pathway (PubMed:[29915090](http://www.uniprot.org/citations/29915090), PubMed:[30850536](http://www.uniprot.org/citations/30850536), PubMed:[8135828](http://www.uniprot.org/citations/8135828)). The mitochondrial beta-oxidation pathway is the major energy-producing process in tissues and is performed through four consecutive reactions breaking down fatty acids into acetyl-CoA (PubMed:[29915090](http://www.uniprot.org/citations/29915090)). Among the enzymes involved in this pathway, the trifunctional enzyme exhibits specificity for long- chain fatty acids (PubMed:[30850536](http://www.uniprot.org/citations/30850536)). Mitochondrial trifunctional enzyme is a heterotetrameric

complex composed of two proteins, the trifunctional enzyme subunit alpha/HADHA carries the 2,3-enoyl-CoA hydratase and the 3-hydroxyacyl-CoA dehydrogenase activities, while the trifunctional enzyme subunit beta/HADHB described here bears the 3- ketoacyl-CoA thiolase activity (PubMed: [29915090](http://www.uniprot.org/citations/29915090), PubMed: [30850536](http://www.uniprot.org/citations/30850536), PubMed: [8135828](http://www.uniprot.org/citations/8135828)).

#### **Cellular Location**

Mitochondrion. Mitochondrion inner membrane Mitochondrion outer membrane. Endoplasmic reticulum. Note=Protein stability and association with membranes require HADHA

#### **Anti-HADHB Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **Anti-HADHB Antibody - Images**