

HADHB Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58270

Specification

HADHB Polyclonal Antibody - Product Information

| | |
|-------------------|------------------------|
| Application | WB |
| Primary Accession | P55084 |
| Reactivity | Rat, Pig, Dog, Bovine |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 51294 |

HADHB Polyclonal Antibody - Additional Information

Gene ID 3032

Other Names

Trifunctional enzyme subunit beta, mitochondrial, TP-beta, 3-ketoacyl-CoA thiolase, 2.3.1.155, 2.3.1.16, Acetyl-CoA acyltransferase, Beta-ketothiolase, HADHB

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glycerol

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

HADHB Polyclonal 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))

target="_blank">29915090, PubMed:30850536, PubMed:8135828).

Cellular Location

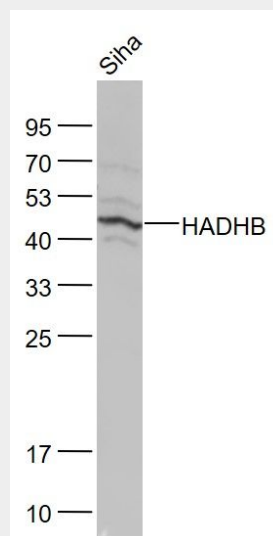
Mitochondrion. Mitochondrion inner membrane Mitochondrion outer membrane. Endoplasmic reticulum. Note=Protein stability and association with membranes require HADHA

HADHB Polyclonal Antibody - Protocols

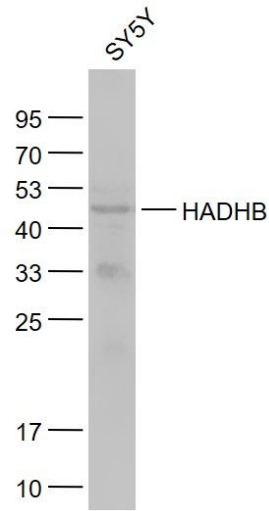
Provided below are standard protocols that you may find useful for product applications.

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

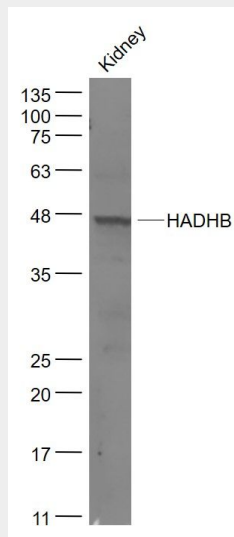
HADHB Polyclonal Antibody - Images



Siha(Human) Cell Lysate at 30 ug
Primary: Anti-HADHB (bs-5065R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 47 kD
Observed band size: 47 kD



SY5Y(Human) Cell Lysate at 30 ug
Primary: Anti-HADHB (bs-5065R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 47 kD
Observed band size: 47 kD



Sample:
Kidney (Mouse) Lysate at 40 ug
Primary: Anti- HADHB (bs-5065R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 47kD
Observed band size: 47 kD