10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-HADHB Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18607

Product Information

Application	WB, IHC-P, IF
Primary Accession	P55084
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	51294

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.

Protein Information

Name	HADHB
Function	Mitochondrial trifunctional enzyme catalyzes the last three of the four reactions of the mitochondrial beta-oxidation pathway (PubMed:29915090, PubMed:30850536, PubMed: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). Among the enzymes involved in this pathway, the trifunctional enzyme exhibits specificity for long- chain fatty acids (PubMed: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, PubMed:30850536, PubMed:8135828).

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