

HADHB Rabbit pAb

CatalogNo: YN6947

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 52kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human HADHB

Specificity This antibody detects endogenous levels of HADHB at Human, Mouse, Rat

Target Information

Gene name HADHB MSTP029

Protein Name Trifunctional enzyme subunit beta, mitochondrial (TP-beta) [Includes: 3-ketoacyl-CoA thiolase (Acetyl-CoA acyltransferase) (Beta-ketothiolase)]

Organism	Gene ID	UniProt ID
Human	3032 ;	P55084 ;
Mouse	231086 ;	Q99JY0 ;
Rat	171155 ;	Q60587 ;

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

Function Mitochondrial trifunctional enzyme catalyzes the last three of the four reactions of the mitochondrial beta-oxidation pathway . 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 . Among the enzymes involved in this pathway, the trifunctional enzyme exhibits specificity for long-chain fatty acids . 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 .

| Validation Data

| Contact information

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HADHB Rabbit pAb

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