

## 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

<b>Protein Name</b>	Trifunctional enzyme subunit beta, mitochondrial (TP-beta) [Includes: 3-ketoacyl-CoA thiolase (Acetyl-CoA acyltransferase) (Beta-ketothiolase)]		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">3032;</a>	<a href="#">P55084;</a>
	Mouse	<a href="#">231086;</a>	<a href="#">Q99JY0;</a>
	Rat	<a href="#">171155;</a>	<a href="#">Q60587;</a>
<b>Cellular Localization</b>	Mitochondrion . Mitochondrion inner membrane . Mitochondrion outer membrane . Endoplasmic reticulum . Protein stability and association with membranes require HADHA. .		
<b>Function</b>	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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