



HADHB mouse mAb

Catalog No	YP-mAb-18289
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	HADHB MSTP029
Immunogen	Synthesized peptide derived from human HADHB
Specificity	This antibody detects endogenous levels of HADHB at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ECHB;Beta-ketothiolase;Beta ketothiolase;Acetyl-CoA acyltransferase;Acetyl CoA acyltransferase;HADHB;HADHB MSTP029;Trifunctional enzyme subunit beta;mitochondrial (TP-beta) [Includes: 3-ketoacyl-CoA thiolase (EC 2.3.1.16) (Acetyl-CoA acyltransferase) (Beta-ketothiolase)]; mitochondrial (TP-beta) [Includes: 3-ketoacyl-CoA thiolase (EC 2.3.1.16) (Acetyl-CoA acyltransferase) (Beta-ketothiolase)]
Observed Band	52 kDa
Calculated Molecular Weight	51 kDa
Cell Pathway	Mitochondrion . Mitochondrion inner membrane . Mitochondrion outer membrane . Endoplasmic reticulum . Protein stability and association with membranes require HADHA. .
Tissue Specificity	
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 .

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images