

For Research Use Only

# HADHA Monoclonal antibody

Catalog Number: 60250-1-Ig

Featured Product

7 Publications



## Basic Information

<b>Catalog Number:</b> 60250-1-Ig	<b>GenBank Accession Number:</b> BC009235	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1400 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3030	<b>CloneNo.:</b> 3E9B1
<b>Source:</b> Mouse	<b>Full Name:</b> hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200 IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 83 kDa	
<b>Immunogen Catalog Number:</b> AG1211	<b>Observed MW:</b> 79 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : A375 cells, HEK293 cells
<b>Cited Applications:</b> WB	<b>IHC :</b> human heart tissue, human liver tissue
<b>Species Specificity:</b> human, mouse	<b>IF :</b> HepG2 cells,
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

HADHA (Trifunctional enzyme subunit alpha, mitochondrial) is also named as HADH, 78 kDa gastrin-binding protein. It belongs to the enoyl-CoA hydratase/isomerase family in the N-terminal section and the 3-hydroxyacyl-CoA dehydrogenase family in the central section. It harbors the 3-hydroxyacyl-CoA dehydrogenase and enoyl-CoA hydratase activities. Defects in HADHA are a cause of trifunctional protein deficiency (TFP deficiency) and long-chain 3-hydroxyacyl-CoA dehydrogenase deficiency (LCHAD deficiency) and maternal acute fatty liver of pregnancy (AFLP).

## Notable Publications

Author	Pubmed ID	Journal	Application
Muna Al-Habsi	36302005	Science	WB
Xiaomei Zhu	35517767	RSC Adv	WB
Yanwei Du	25044461	Proteomics	WB

## Storage

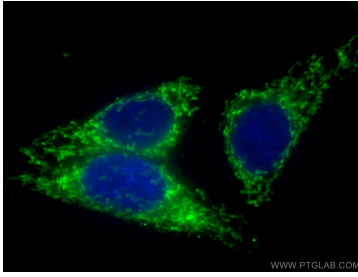
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

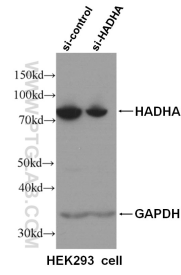
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

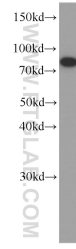
## Selected Validation Data



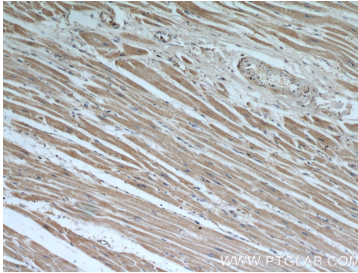
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 60250-1-Ig (HADHA antibody) at dilution of 1:100 and Coralite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



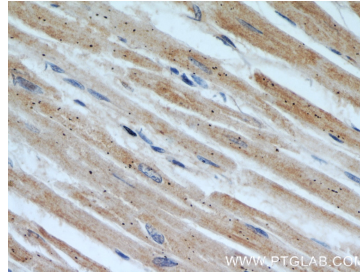
WB result of HADHA specific antibody (60250-1-Ig, 1:4000) with si-control and si-HADHA transfected HEK293 cells.



A375 cells were subjected to SDS PAGE followed by western blot with 60250-1-Ig (HADHA antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart using 60250-1-Ig (HADHA antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart using 60250-1-Ig (HADHA antibody) at dilution of 1:50 (under 40x lens).