

For Research Use Only

# HADHA Monoclonal antibody

Catalog Number: 60250-1-Ig

Featured Product

9 Publications



## Basic Information

**Catalog Number:**

60250-1-Ig

**Size:**

150ul, Concentration: 1000 ug/ml by Nanodrop and 463 ug/ml by Bradford method using BSA as the standard;

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG1211

**GenBank Accession Number:**

BC009235

**GeneID (NCBI):**

3030

**UNIPROT ID:**

P40939

**Full Name:**

hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit

**Calculated MW:**

83 kDa

**Observed MW:**

79 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

3E9B1

**Recommended Dilutions:**

WB 1:5000-1:50000

IHC 1:250-1:1000

IF/ICC 1:50-1:500

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** HeLa cells, Jurkat cells, HepG2 cells, HEK293 cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells, RAW 264.7 cells

**IHC:** mouse heart tissue,

**IF/ICC:** HepG2 cells,

## 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

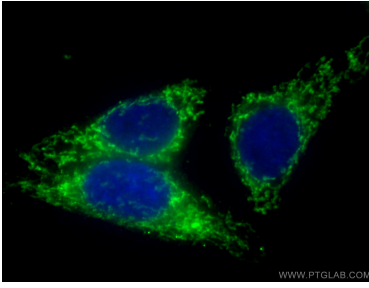
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

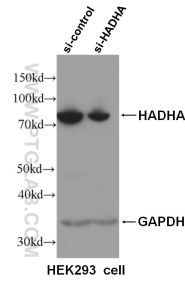
E: proteintech@ptglab.com  
W: ptglab.com

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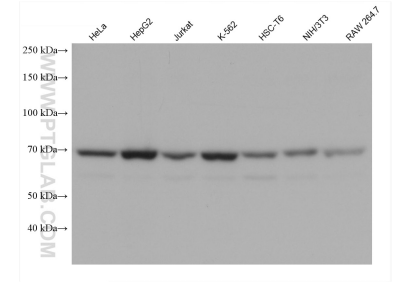
## Selected Validation Data



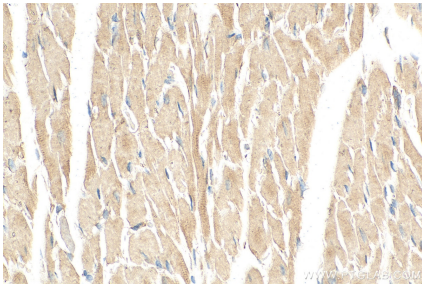
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 60250-1-Ig (HADHA antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



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



Various lysates were subjected to SDS PAGE followed by western blot with 60250-1-Ig (HADHA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 60250-1-Ig (HADHA antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).