

For Research Use Only

HADHA Polyclonal antibody

Catalog Number: 10758-1-AP

Featured Product

27 Publications



Basic Information

Catalog Number:

10758-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

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:

70-79 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:300-1:1200

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, ColP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, pig, monkey

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: Jurkat cells, HEK-293 cells, HeLa cells, mouse liver tissue, rat liver tissue, NIH/3T3 cells, mouse kidney tissue, rat kidney tissue

IP: HeLa cells,

IHC: human heart tissue, human colon tissue, human colon cancer tissue, human ovary tissue, mouse heart tissue

IF/ICC: HeLa cells, 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
Matthew Kerr	32879143	JCI Insight	ColP
Dharendra Thapa	30323061	J Biol Chem	WB
Jingjing Zhang	29207074	Mol Med Rep	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

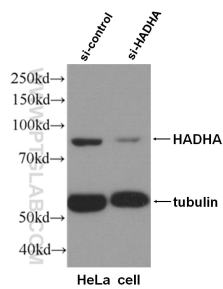
For technical support and original validation data for this product please contact:

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

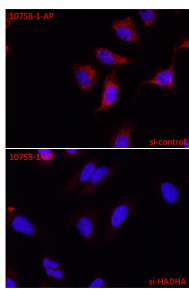
E: proteintech@ptglab.com
W: ptglab.com

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

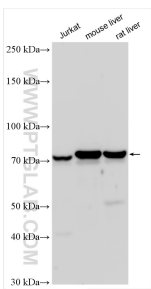
Selected Validation Data



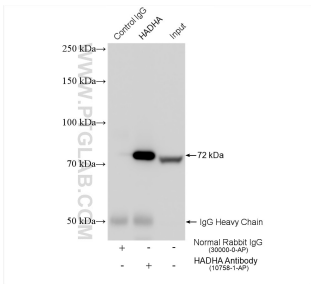
WB result of HADHA antibody (10758-1-AP, 1:4000) with si-control and si-HADHA transfected HeLa cells.



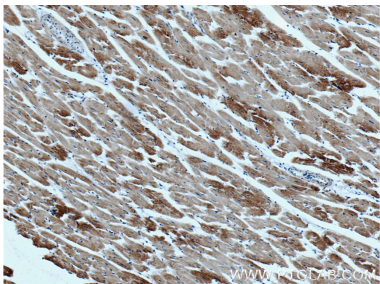
IF result of HADHA antibody (10758-1-AP, 1:50) with si-control and si-HADHA transfected HeLa cells.



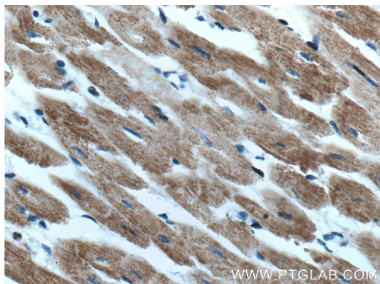
Various lysates were subjected to SDS PAGE followed by western blot with 10758-1-AP (HADHA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



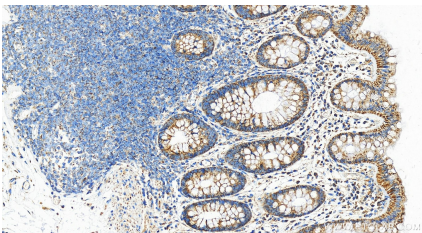
IP result of anti-HADHA (IP:10758-1-AP, 4ug; Detection:10758-1-AP 1:10000) with HeLa cells lysate 1080 ug.



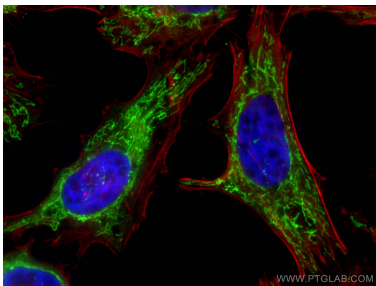
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 10758-1-AP (HADHA antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 10758-1-AP (HADHA antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 10758-1-AP (HADHA antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HADHA antibody (10758-1-AP) at dilution of 1:600 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).