

## Allgemeine Informationen

Katalog-Nr.:  
10758-1-AP

Größe:  
150ul , Konzentration: 700 µg/ml von  
Nanodrop;

Wirt:  
Kaninchen

Isotyp:  
IgG

Immunogen Katalognummer:  
AG1211

GenBank-Zugangsnummer:  
BC009235

GeneID (NCBI):  
3030

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

Berechnete Masse:  
83 kDa

Beobachtete Masse:  
70-79 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:1000-1:5000  
IP 0.5-4.0 µg für IP und 1:200-1:1000  
für WB  
IHC 1:50-1:500  
IF 1:50-1:500

## Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

Positivkontrollen:

WB : HEK-293-Zellen, HeLa-Zellen, HepG2-Zellen, Jurkat-Zellen, Mausherzgewebe, Mauslebergewebe, Mausnierengewebe, MCF-7-Zellen, MDA-MB-453s-Zellen, NIH/3T3-Zellen, Rattennierengewebe

IP : HEK-293-Zellen,

IHC : humanes Herzgewebe, humanes Eierstockgewebe, humanes Kolonkarzinomgewebe, Mausherzgewebe

IF : HeLa-Zellen, HepG2-Zellen

## Hintergrundinformationen

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-hydroxy-CoA dehydrogenase deficiency (LCHAD deficiency) and maternal acute fatty liver of pregnancy (AFLP).

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Matthew Kerr	32879143	JCI Insight	CoIP
Dharendra Thapa	30323061	J Biol Chem	WB
Jingjing Zhang	29207074	Mol Med Rep	WB

## Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

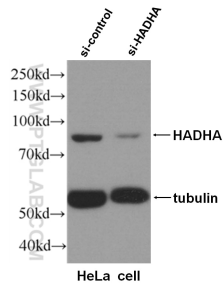
For technical support and original validation data for this product please contact:

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

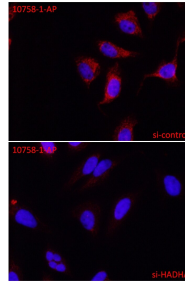
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

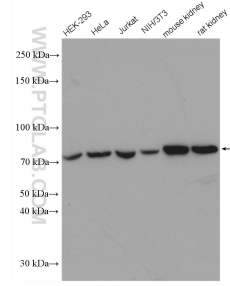
## Ausgewählte Validierungsdaten



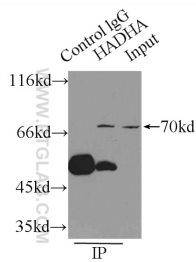
WB result of HADHA antibody (10758-1-AP, 1:4000) with si-control and si-HADHA transfected HeLa cells.



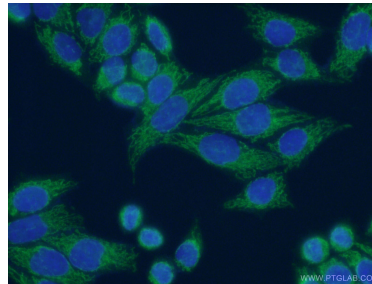
IF result of HADHA antibody (10758-1-AP, 1:50) with si-control and si-HADHA transfected HeLa cells.



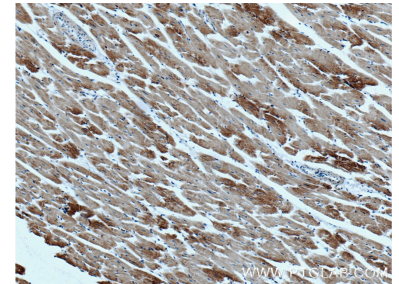
Various lysates were subjected to SDS PAGE followed by western blot with 10758-1-AP (HADHA antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



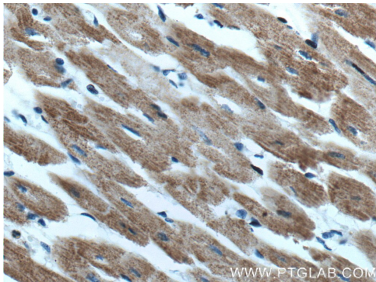
IP Result of anti-HADHA (IP:10758-1-AP, 4ug; Detection:10758-1-AP 1:200) with HEK-293 cells lysate 2500ug.



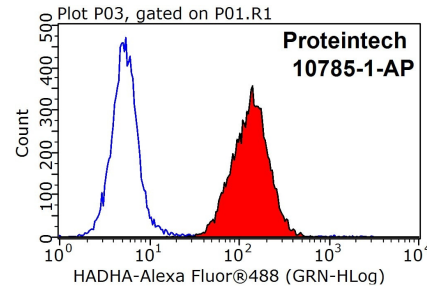
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 10758-1-AP (HADHA antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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).



1X10<sup>6</sup> HepG2 cells were stained with 0.2ug HADHA antibody (10758-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.