Nur für Forschungszwecke

HADHB Monoklonaler Antikörper

Katalog-Nr.:67967-1-Ig

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Allgemeine Informationen

Katalog-Nr.:
67967-1-Ig

Größe:
150ul , Konzentration: 1000 μg/ml von Nanodrop;

Wirt:
Maus

Isotyp:
IgG2b

Immunogen Katalognummer:
AG30315

GenBank-Zugangsnummer:
BC017564

GeneID (NCBI):
3032

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

Berechneté Masse:
51 kDa

Beobachteté Masse:
47 kDa

Reinigungsmethode:
Protein-A-Reinigung

CloneNo.:
1D12F4

Empfohlene Verdünnungen:
WB 1:5000-1:50000
IF 1:200-1:800

Anwendungen

Geprüfte Anwendungen:
IF, WB, ELISA

Getestete Reaktivität:
Hausschwein, Human, Maus, Ratte

Positivkontrollen:

WB : LNCaP-Zellen, Hausschwein-Herzgewebe, HEK-293-Zellen, HeLa-Zellen, HepG2-Zellen, Jurkat-Zellen

IF : HeLa-Zellen,

Hintergrundinformationen

HADHB, also named as TP- beta, Acetyl-CoA acyltransferase and Beta-ketothiolase, is a mitochondrial trifunctional enzyme subunit beta. 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. HADHB has 2 isoforms produced by alternative splicing with the MW of 49 kDa and 51 kDa.

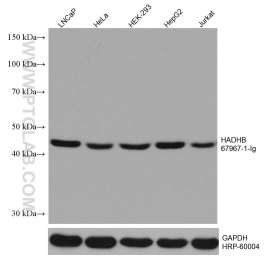
Lagerung

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

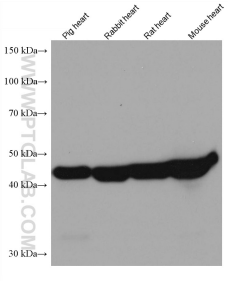
***** 20ul-Größen enthalten 0.1% BSA**

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
W: ptglab.com

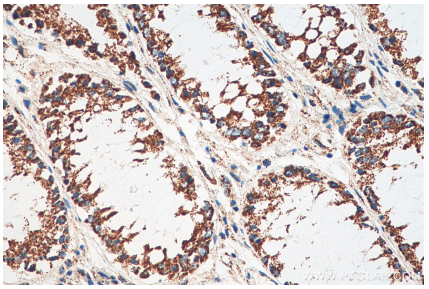
Ausgewählte Validierungsdaten



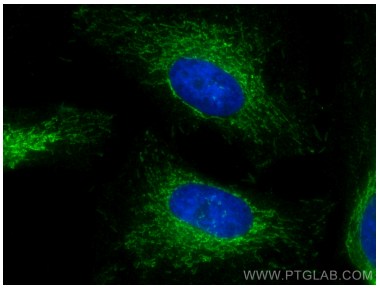
Various lysates were subjected to SDS PAGE followed by western blot with 67967-1-Ig (HADHB antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



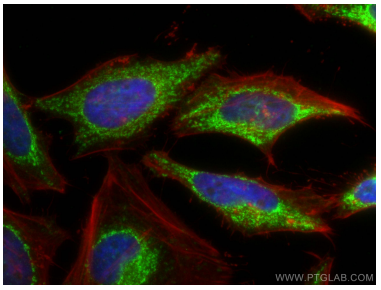
Various lysates were subjected to SDS PAGE followed by western blot with 67967-1-Ig (HADHB antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67967-1-Ig (HADHB antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HADHB antibody (67967-1-Ig, Clone: 1D12F4) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HADHB antibody (67967-1-Ig, Clone: 1D12F4) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).