For Research Use Only

HADH Polyclonal antibody

Catalog Number:19828-1-AP Featured Product 24 Publications

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Basic Information

Catalog Number:
19828-1-AP

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG13928

GenBank Accession Number:
BC000306

GeneID (NCBI):
3033

UNIPROT ID:
Q16836

Full Name:
hydroxyacyl-Coenzyme A dehydrogenase

Calculated MW:
314 aa, 34 kDa

Observed MW:
30-34 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:2000-1:10000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:250-1:1000
IF/ICC 1:20-1:200

Applications

Tested Applications:
WB, IHC, IF/ICC, IP, ELISA

Cited Applications:
WB, IHC, IF, IP

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat

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 : HepG2 cells, A2780 cells, Jurkat cells, mouse heart tissue, mouse kidney tissue, mouse liver tissue, mouse pancreas tissue, mouse skeletal muscle tissue, rat heart tissue

IP : HepG2 cells,

IHC : human breast cancer tissue, human liver cancer tissue, human hepatocirrhosis tissue

IF/ICC : HepG2 cells,

Background Information

HADH(Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial) is also named as HAD, HADHSC, SCHAD and belongs to the 3-hydroxyacyl-CoA dehydrogenase family. It catalyzes the reversible dehydrogenation of 3-hydroxyacyl-CoAs to their corresponding 3-ketoacyl-CoAs with concomitant reduction of NAD to NADH and exerts it highest activity toward 3-hydroxydecanoyl-CoA. . Human HADH encodes a deduced 314-amino acid protein composed of a 12-residue mitochondrial import signal peptide and a 302-residue mature HADH protein with a calculated molecular mass of 34.3 kD.

Notable Publications

Author	Pubmed ID	Journal	Application
Xin Shen	36234950	Molecules	WB
Mariana Aguiar de Matos	30429793	Front Physiol	WB
Oleg Yarishkin	33226813	J Physiol	WB

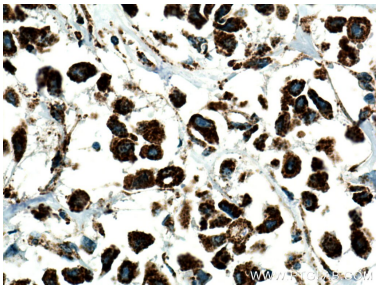
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

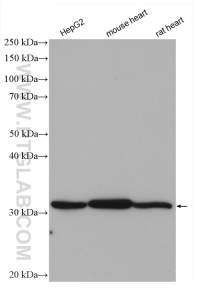
*** 20ul sizes contain 0.1% BSA

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

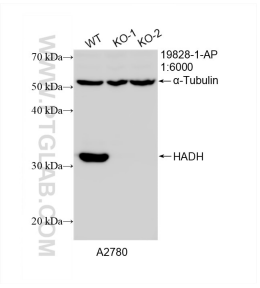
Selected Validation Data



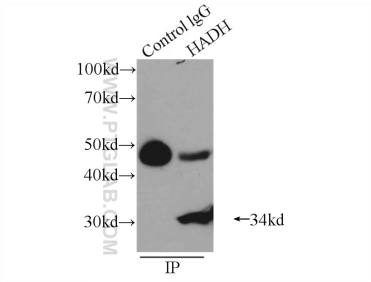
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 19828-1-AP (HADH antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



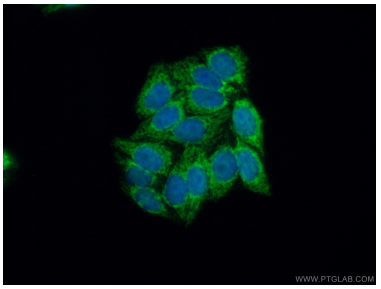
Various lysates were subjected to SDS PAGE followed by western blot with 19828-1-AP (HADH antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



WB result of HADH antibody (19828-1-AP; 1:6000; room temperature for 1.5 hours) with wild-type and HADH knockout A2780 cells.



IP result of anti-HADH (IP:19828-1-AP, 3ug; Detection:19828-1-AP 1:700) with HepG2 cells lysate 400ug.



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 19828-1-AP (HADH antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).