

For Research Use Only

# HADH Polyclonal antibody

Catalog Number: 19828-1-AP

Featured Product

24 Publications



## Basic Information

### Catalog Number:

19828-1-AP

### Concentration:

700 ug/ml

### 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

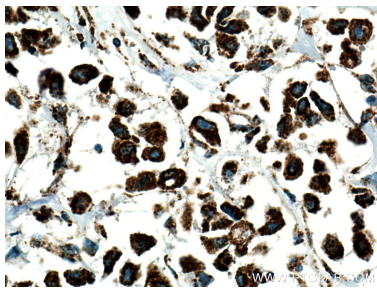
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

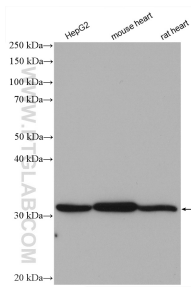
W: [ptgcn.com](http://ptgcn.com)

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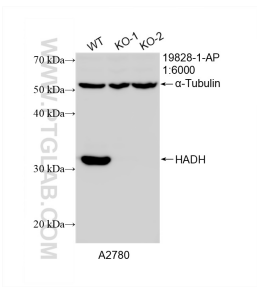
Selected Validation Data



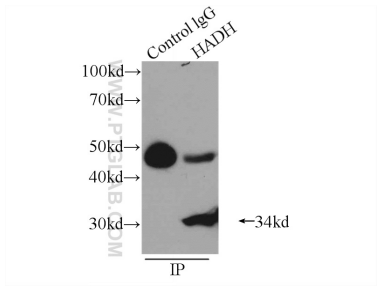
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 19828-1-AP (HADH antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



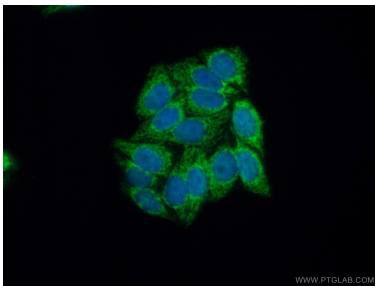
Various lysates were subjected to SDS PAGE followed by western blot with 19828-1-AP (HADH antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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).