

For Research Use Only

# HADH Polyclonal antibody

Catalog Number: 19828-1-AP **18 Publications**



## Basic Information

<b>Catalog Number:</b> 19828-1-AP	<b>GenBank Accession Number:</b> BC000306	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop and 240 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3033	<b>Recommended Dilutions:</b> 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 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> hydroxyacyl-Coenzyme A dehydrogenase	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 314 aa, 34 kDa	
<b>Immunogen Catalog Number:</b> AG13928	<b>Observed MW:</b> 30-34 kDa	

## Applications

**Tested Applications:**  
IF, IHC, IP, WB, ELISA

**Cited Applications:**  
IF, IHC, IP, WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
human, rat, mouse

**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, 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:** 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 its 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

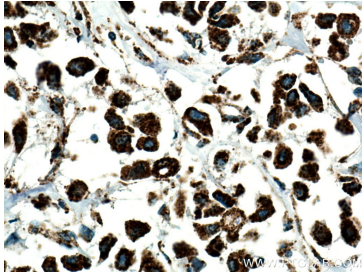
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

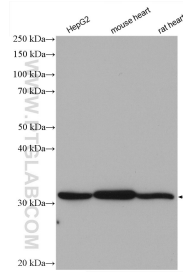
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

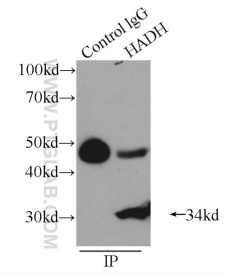
## Selected Validation Data



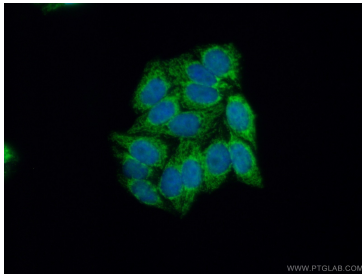
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 19828-1-AP (HADH antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.



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).