

For Research Use Only

# HPD Polyclonal antibody

Catalog Number: 17004-1-AP

Featured Product

1 Publications



## Basic Information

<b>Catalog Number:</b> 17004-1-AP	<b>GenBank Accession Number:</b> BC024287	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3242	<b>Recommended Dilutions:</b> WB 1:1000-1:8000 IHC 1:50-1:500 IF 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> 4-hydroxyphenylpyruvate dioxygenase	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 393 aa, 45 kDa	
<b>Immunogen Catalog Number:</b> AG10700	<b>Observed MW:</b> 40-45 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

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, mouse liver tissue, rat liver tissue

IHC : human liver tissue,

IF : HepG2 cells,

## Background Information

### Notable Publications

Author	Pubmed ID	Journal	Application
Zhenhong Guo	37698892	Nephrol Dial Transplant	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

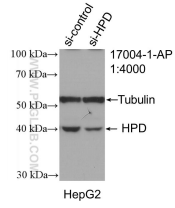
For technical support and original validation data for this product please contact:

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

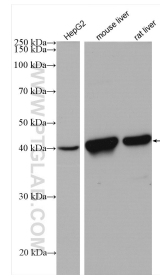
E: proteintech@ptglab.com  
W: ptglab.com

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

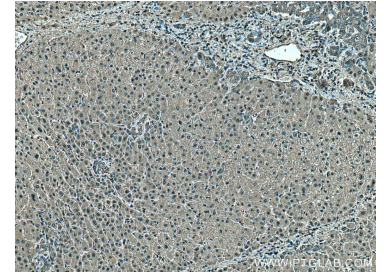
## Selected Validation Data



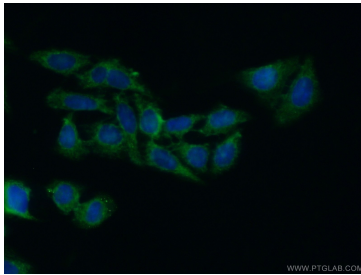
WB result of HPD antibody (17004-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HPD transfected HepG2 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 17004-1-AP (HPD antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 17004-1-AP (HPD antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 17004-1-AP (HPD antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).