For Research Use Only

HPD Polyclonal antibody

Catalog Number:17004-1-AP Featured Product 1 Publications

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Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
17004-1-AP

Size:
150ul , Concentration: 450 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG10700

GenBank Accession Number:
BC024287

GeneID (NCBI):
3242

UNIPROT ID:
P32754

Full Name:
4-hydroxyphenylpyruvate dioxygenase

Calculated MW:
393 aa, 45 kDa

Observed MW:
40-45 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:8000
IHC 1:50-1:500
IF/ICC 1:20-1:200

Applications

Tested Applications:
WB, IF, IHC, 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/ICC : HepG2 cells,

Notable Publications

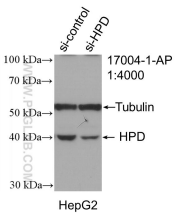
Author	Pubmed ID	Journal	Application
Zhenhong Guo	37698892	Nephrol Dial Transplant	WB

Storage

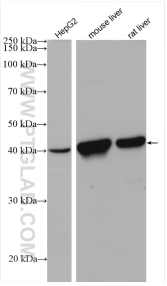
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

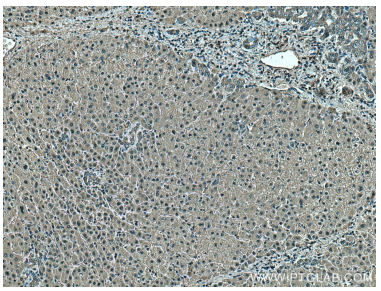
Selected Validation Data



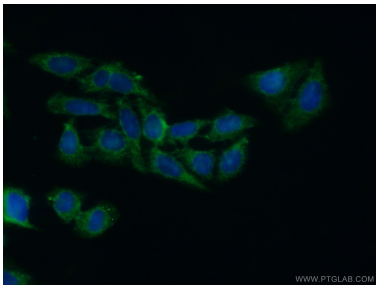
WB result of HPD antibody (17004-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HPD transfected HepG2 cells.



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).