

**HPD Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP8591b****Specification**

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**HPD Antibody (C-term) - Product Information**

Application	IHC-P, WB,E
Primary Accession	<a href="#">P32754</a>
Other Accession	<a href="#">P49429</a>
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	44964
Antigen Region	255-284

**HPD Antibody (C-term) - Additional Information****Gene ID** 3242**Other Names**

4-hydroxyphenylpyruvate dioxygenase, 4-hydroxyphenylpyruvic acid oxidase, 4HPPD, HPD, HPPDase, HPD, PPD

**Target/Specificity**

This HPD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 255-284 amino acids from the C-terminal region of human HPD.

**Dilution**

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

HPD Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**HPD Antibody (C-term) - Protein Information**

**Name** HPD

**Synonyms** PPD

**Function** Catalyzes the conversion of 4-hydroxyphenylpyruvic acid to homogentisic acid, one of the steps in tyrosine catabolism.

**Cellular Location**

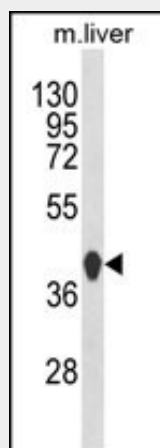
Cytoplasm {ECO:0000250|UniProtKB:P32755}. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P32755}; Peripheral membrane protein {ECO:0000250|UniProtKB:P32755}. Golgi apparatus membrane {ECO:0000250|UniProtKB:P32755}; Peripheral membrane protein {ECO:0000250|UniProtKB:P32755}

**HPD Antibody (C-term) - Protocols**

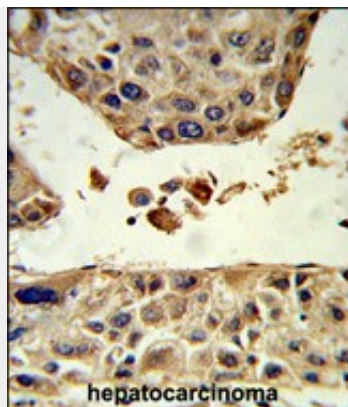
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**HPD Antibody (C-term) - Images**



Western blot analysis of HPD Antibody (C-term) (Cat. #AP8591b) in mouse liver tissue lysates (35ug/lane). HPD (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with HPD Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

#### **HPD Antibody (C-term) - Background**

HPD is an enzyme in the catabolic pathway of tyrosine. This protein catalyzes the conversion of 4-hydroxyphenylpyruvate to homogentisate.

#### **HPD Antibody (C-term) - References**

Item,C.B., et.al., Mol. Genet. Metab. 91 (4), 379-383 (2007)  
Wistow,G., et.al., Mol. Vis. 8, 171-184 (2002)