

# HPD Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP8591b

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">P32754</a>
<b>Other Accession</b>	<a href="#">P49429</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB21004
<b>Calculated MW</b>	44964
<b>Antigen Region</b>	255-284

## Additional Information

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<b>Gene ID</b>	3242
<b>Other Names</b>	4-hydroxyphenylpyruvate dioxygenase, 4-hydroxyphenylpyruvic acid oxidase, 4HPPD, HPD, HPPDase, HPD, PPD
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	HPD Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	HPD
<b>Synonyms</b>	PPD

<b>Function</b>	Catalyzes the conversion of 4-hydroxyphenylpyruvic acid to homogentisic acid, one of the steps in tyrosine catabolism.
<b>Cellular Location</b>	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}

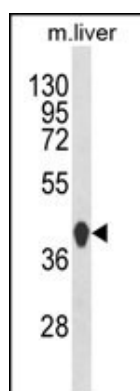
## Background

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

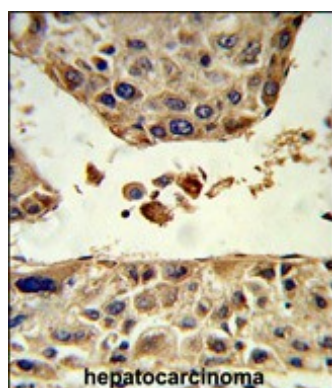
## References

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

## 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.