

HPD Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8591a**Specification**

HPD Antibody (N-term) - Product Information

Application	FC, IHC-P, WB,E
Primary Accession	P32754
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	44964
Antigen Region	92-121

HPD Antibody (N-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 92-121 amino acids from the N-terminal region of human HPD.

Dilution

FC~~1:10~50

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

HPD Antibody (N-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

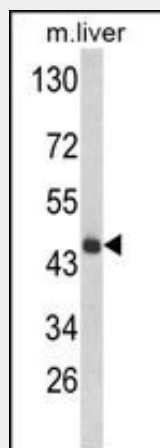
Cytoplasm {ECO:0000250|UniProtKB:P32755}. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P32755}; Peripheral membrane protein {ECO:0000250|UniProtKB:P32755}. Golgi apparatus membrane {ECO:0000250|UniProtKB:P32755}; Peripheral membrane protein {ECO:0000250|UniProtKB:P32755}

HPD Antibody (N-term) - Protocols

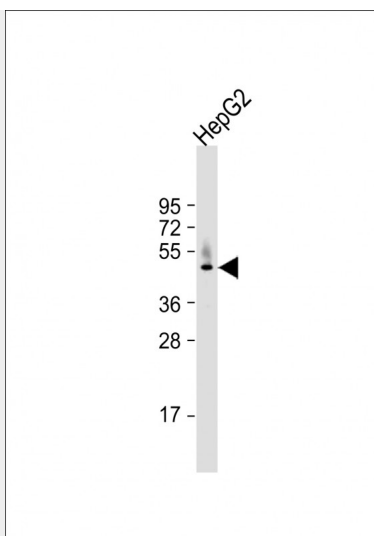
Provided below are standard protocols that you may find useful for product applications.

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

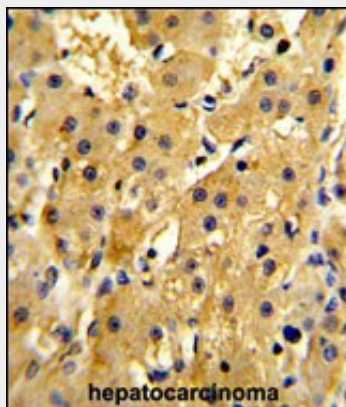
HPD Antibody (N-term) - Images



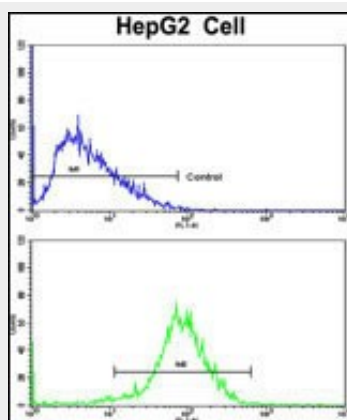
Western blot analysis of HPD Antibody (N-term) (Cat. #AP8591a) in mouse liver tissue lysates (35ug/lane). HPD (arrow) was detected using the purified Pab.



Anti-HPD Antibody (N-term) at 1:1000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 45 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with HPD Antibody (N-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.



Flow cytometric analysis of HepG2 cells using HPD Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

HPD Antibody (N-term) - Background

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

HPD Antibody (N-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)