

**HPD Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8591b****Specification**

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**HPD Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P32754](#)**HPD Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 3242**Other Names**

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

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8591b](/products/AP8591b) was selected from the C-term region of human HPD. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

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

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

- [Blocking Peptides](#)

## **HPD Antibody (C-term) Blocking Peptide - Images**

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

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