

HPD Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP8591a**Specification**

HPD Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P32754](#)**HPD Antibody (N-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 [AP8591a](/products/AP8591a) was selected from the N-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 (N-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 (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

HPD Antibody (N-term) Blocking Peptide - Images

HPD Antibody (N-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 (N-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)