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# DCT Antibody (N-term) Blocking Peptide
**Synthetic peptide**
**Catalog # BP8771a**

## Specification

### DCT Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P40126

### DCT Antibody (N-term) Blocking Peptide - Additional Information

**Gene ID** 1638

**Other Names**
L-dopachrome tautomerase, DCT, DT, L-dopachrome Delta-isomerase, Tyrosinase-related protein 2, TRP-2, TRP2, DCT, TYRP2

**Target/Specificity**
The synthetic peptide sequence used to generate the antibody <a href=/products/AP8771a>AP8771a</a> was selected from the N-term region of human DCT. 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.

### DCT Antibody (N-term) Blocking Peptide - Protein Information

**Name** DCT (HGNC:2709)

**Synonyms** TYRP2

**Function**
Plays a role in melanin biosynthesis (PubMed:<a href="http://www.uniprot.org/citations/33100333" target="_blank">33100333</a>). Catalyzes the conversion of L-dopachrome into 5,6-dihydroxyindole-2- carboxylic acid (DHICA).

**Cellular Location**
Melanosome membrane; Single-pass type I membrane protein. Melanosome {ECO:0000250|UniProtKB:P29812}. Note=Proper trafficking to melanosome is regulated by SGSM2, ANKRD27, RAB9A, RAB32 and RAB38 {ECO:0000250|UniProtKB:P29812}

## DCT Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

## DCT Antibody (N-term) Blocking Peptide - Images

## DCT Antibody (N-term) Blocking Peptide - Background

DCT is involved in regulating eumelanin and phaeomelanin levels.

## DCT Antibody (N-term) Blocking Peptide - References

Nishihira,J., et.al., Biochem. Biophys. Res. Commun. 243 (2), 538-544 (1998)