

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 AP8771a 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:33100333). 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)