

DCT Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16267c**Specification**

DCT Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P40126](#)**DCT Antibody (Center) 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

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 (Center) 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 (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DCT Antibody (Center) Blocking Peptide - Images**DCT Antibody (Center) Blocking Peptide - Background**

DCT is involved in regulating eumelanin and phaeomelanin levels.

DCT Antibody (Center) Blocking Peptide - References

Sendoel, A., et al. Nature 465(7298):577-583(2010)Khong, H.T., et al. J. Immunol. 168(2):951-956(2002)Sugimoto, H., et al. Biochemistry 38(11):3268-3279(1999)Nishihira, J., et al. Biochem. Biophys. Res. Commun. 243(2):538-544(1998)Sugimoto, H., et al. J. Struct. Biol. 120(1):105-108(1997)