

DCT Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16267c**Specification**

DCT Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P40126
Other Accession	NP_001913.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	59145
Antigen Region	286-314

DCT Antibody (Center) - 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

This DCT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 286-314 amino acids from the Central region of human DCT.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

DCT Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

DCT Antibody (Center) - 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).

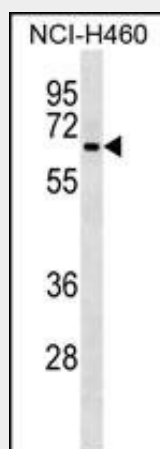
Cellular Location

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) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DCT Antibody (Center) - Images

DCT Antibody (Center) (Cat. #AP16267c) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the DCT antibody detected the DCT protein (arrow).

DCT Antibody (Center) - Background

DCT is involved in regulating eumelanin and pheomelanin levels.

DCT Antibody (Center) - 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)

DCT Antibody (Center) - Citations

- [Silencing of PMEL attenuates melanization via activating lysosomes and degradation of tyrosinase by lysosomes.](#)