

DCT / Dopachrome Tautomerase Antibody (aa51-100)
Rabbit Polyclonal Antibody
Catalog # ALS14663**Specification**

DCT / Dopachrome Tautomerase Antibody (aa51-100) - Product Information

Application	IF, WB
Primary Accession	P40126
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59kDa kDa

DCT / Dopachrome Tautomerase Antibody (aa51-100) - Additional Information**Gene ID** 1638**Other Names**

L-dopachrome tautomerase, DCT, DT, 5.3.3.12, L-dopachrome Delta-isomerase, Tyrosinase-related protein 2, TRP-2, TRP2, DCT, TYRP2

Target/Specificity

DCT Antibody detects endogenous levels of total DCT protein.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

DCT / Dopachrome Tautomerase Antibody (aa51-100) is for research use only and not for use in diagnostic or therapeutic procedures.

DCT / Dopachrome Tautomerase Antibody (aa51-100) - 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}

Volume

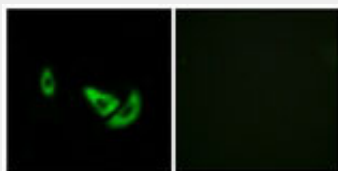
50 μ l

DCT / Dopachrome Tautomerase Antibody (aa51-100) - Protocols

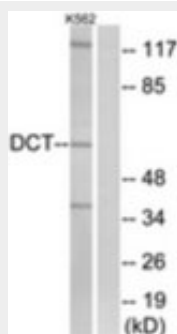
Provided below are standard protocols that you may find useful for product applications.

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

DCT / Dopachrome Tautomerase Antibody (aa51-100) - Images



Immunofluorescence of A549 cells, using DCT Antibody.



Western blot of extracts from K562 cells, using DCT Antibody.

DCT / Dopachrome Tautomerase Antibody (aa51-100) - Background

Involved in regulating eumelanin and pheomelanin levels.

DCT / Dopachrome Tautomerase Antibody (aa51-100) - References

Yokoyama K., et al. *Biochim. Biophys. Acta* 1217:317-321(1994).
Cassady J.L., et al. *Gene* 143:295-298(1994).
Bouchard B., et al. *Eur. J. Biochem.* 219:127-134(1994).
Khong H.T., et al. *J. Immunol.* 168:951-956(2002).
Dunham A., et al. *Nature* 428:522-528(2004).