

DCT Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9956A

Specification

DCT Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	P40126
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	59145
Antigen Region	62-89

DCT Antibody (N-term) - 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 62-89 amino acids from the N-terminal region of human DCT.

Dilution

WB~~1:1000
IHC-P~~1:50~100

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 (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DCT Antibody (N-term) - 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

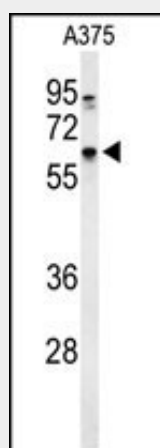
Melanosome membrane; Single-pass type I membrane protein. Melanosome {ECO:0000250|UniProtKB:P29812}. Note=Proper trafficking to melanosome is regulated by SGSM2, ANKRD27, RAB9A, RAB32 and RAB38 {ECO:0000250|UniProtKB:P29812}

DCT Antibody (N-term) - Protocols

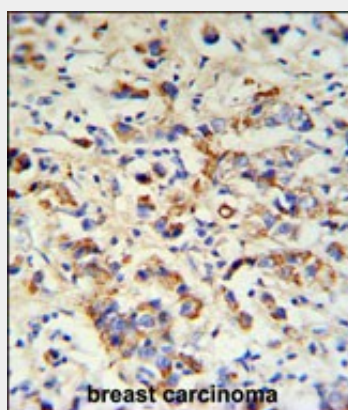
Provided below are standard protocols that you may find useful for product applications.

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

DCT Antibody (N-term) - Images



Western blot analysis of DCT Antibody (N-term) (Cat. #AP9956a) in A375 cell line lysates (35ug/lane). DCT (arrow) was detected using the purified Pab.



DCT Antibody (N-term) (Cat. #AP9956a) IHC analysis in formalin fixed and paraffin embedded

breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the DCT Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

DCT Antibody (N-term) - References

Edwards, M., et al. PLoS Genet. 6 (3), E1000867 (2010)
Khong, H.T., et al. J. Immunol. 168(2):951-956(2002)
Sugimoto, H., et al. Biochemistry 38(11):3268-3279(1999)