

## DCT Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP9956A

### Product Information

---

<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">P40126</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB23479
<b>Calculated MW</b>	59145
<b>Antigen Region</b>	62-89

### Additional Information

---

<b>Gene ID</b>	1638
<b>Other Names</b>	L-dopachrome tautomerase, DCT, DT, L-dopachrome Delta-isomerase, Tyrosinase-related protein 2, TRP-2, TRP2, DCT, TYRP2
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	DCT Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

---

<b>Name</b>	DCT ( <a href="#">HGNC:2709</a> )
<b>Synonyms</b>	TYRP2
<b>Function</b>	Plays a role in melanin biosynthesis (PubMed: <a href="#">33100333</a> ). 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}

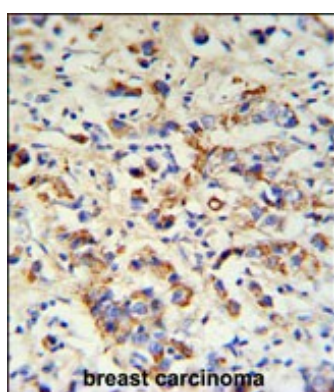
## References

---

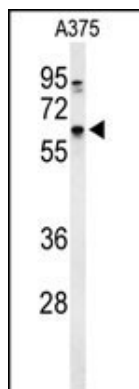
Edwards, M., et al. PLoS Genet. 6 (3), E1000867 (2010)  
Khong, H.T., et al. J. Immunol. 168(2):951-956(2002)  
Sugimoto, H., et al. Biochemistry 38(11):3268-3279(1999)

## Images

---



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.



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.