

# DCT Polyclonal Antibody

Catalog # AP74042

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P40126</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	59145

## Additional Information

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<b>Gene ID</b>	1638
<b>Other Names</b>	L-dopachrome tautomerase (DCT) (DT) (EC 5.3.3.12) (L-dopachrome Delta-isomerase) (Tyrosinase-related protein 2) (TRP-2) (TRP2)
<b>Dilution</b>	WB~~WB 1:500-2000, ELISA 1:10000-20000 E~~N/A
<b>Format</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
<b>Storage Conditions</b>	-20°C

## Protein Information

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<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).
<b>Cellular Location</b>	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}

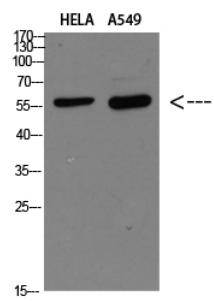
## Background

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Catalyzes the conversion of L-dopachrome into 5,6- dihydroxyindole-2-carboxylic acid (DHICA) (PubMed:[8306979](#)). Involved in regulating eumelanin and phaeomelanin levels.

## Images

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Western blot analysis of HELA A549 Cell Lysate, antibody was diluted at 1:1000. Secondary antibody was diluted at 1:20000

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