

DCT Polyclonal Antibody
Catalog # AP74032**Specification**

DCT Polyclonal Antibody - Product Information

Application	WB, IHC-P
Primary Accession	P40126
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal

DCT Polyclonal Antibody - Additional Information**Gene ID** 1638**Other Names**

L-dopachrome tautomerase (DCT) (DT) (EC 5.3.3.12) (L-dopachrome Delta-isomerase)
(Tyrosinase-related protein 2) (TRP-2) (TRP2)

Dilution

WB~~WB 1:500-2000,IHC-p 1:500-200, ELISA 1:10000-20000
IHC-P~~N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

DCT Polyclonal Antibody - 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

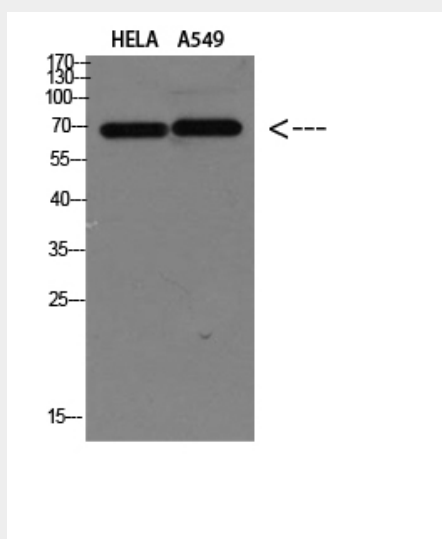
Melanosome membrane; Single-pass type I membrane protein. Melanosome {ECO:0000250|UniProtKB:P29812}. Note=Proper trafficking to melanosome is regulated by SGSM2, ANKRD27, RAB9A, RAB32 and RAB38 {ECO:0000250|UniProtKB:P29812}

DCT Polyclonal Antibody - Protocols

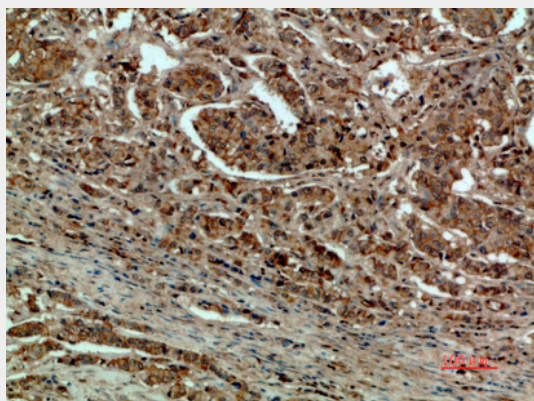
Provided below are standard protocols that you may find useful for product applications.

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

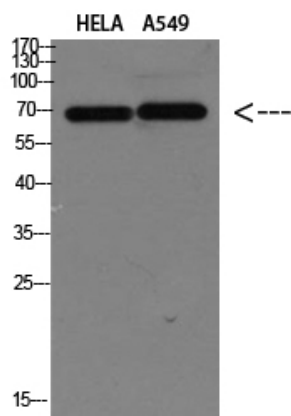
DCT Polyclonal Antibody - Images



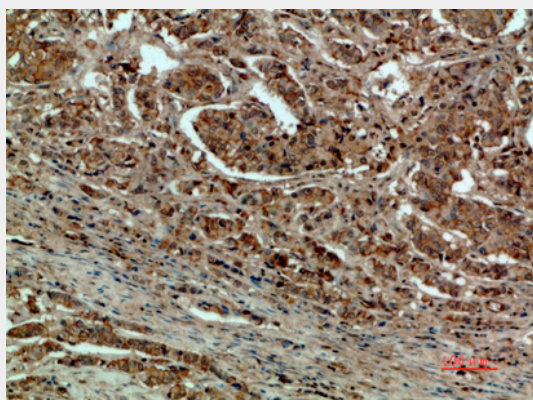
Western blot analysis of HELA A549 Cell Lysate, antibody was diluted at 1:1000. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-breast-cancer, antibody was diluted at 1:200



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



Immunohistochemical analysis of paraffin-embedded human-breast-cancer, antibody was diluted at 1:200

DCT Polyclonal Antibody - Background

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