

## ARG43800 anti-DCT / TRP2 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes DCT / TRP2
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DCT / TRP2
Species	Human
Immunogen	Recombinant protein corresponding to aa. Q24-A519 of Human DCT / TRP2.
Conjugation	Un-conjugated
Alternate Names	L-dopachrome tautomerase; TYRP2; Tyrosinase-related protein 2; L-dopachrome Delta-isomerase; EC 5.3.3.12; TRP2; DCT; DT; TRP-2

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/1x10 <sup>6</sup> cells
	WB	0.25 - 1 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	rat testis tissue; C6 cell line; mouse testis; RAW264.7 cell line	
Observed Size	~ 60 kDa	

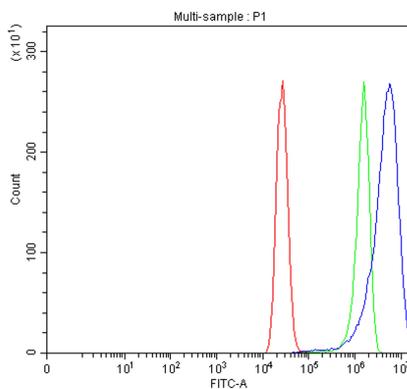
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

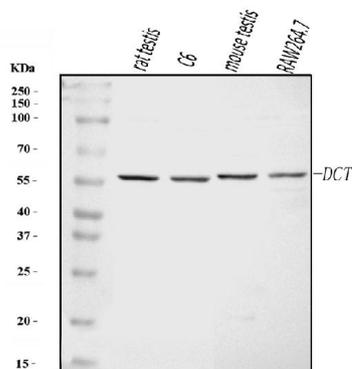
Gene Symbol	DCT
Gene Full Name	dopachrome tautomerase
Function	Involved in regulating eumelanin and phaeomelanin levels. [UniProt]
Calculated Mw	Isoform 1: 59 kDa Isoform 2: 63 kDa
PTM	Glycosylated. [UniProt]
Cellular Localization	Melanosome membrane; Single-pass type I membrane protein. Melanosome. Note=Proper trafficking to melanosome is regulated by SGSM2, ANKRD27, RAB9A, RAB32 and RAB38. [UniProt]

## Images



### ARG43800 anti-DCT / TRP2 antibody FACS image

Flow Cytometry: MCF-7 cells were blocked with 10% normal goat serum and then stained with ARG43800 anti-DCT / TRP2 antibody (blue) at 1  $\mu\text{g}/10^6$  cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1  $\mu\text{g}/10^6$  cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



### ARG43800 anti-DCT / TRP2 antibody WB image

Western blot: rat testis tissue lysates, rat C6 whole cell lysates, mouse testis tissue lysates, mouse RAW264.7 cell lysates stained with ARG43800 anti-DCT / TRP2 antibody at 1:1000 dilution.