

## **TRP2 Polyclonal Antibody**

Catalog No: YT4750

**Reactivity:** Human; Mouse

**Applications:** WB;IHC;IF;ELISA

Target: TRP2

**Fields:** >>Tyrosine metabolism;>>Metabolic pathways;>>Melanogenesis

Gene Name: DCT

**Protein Name :** L-dopachrome tautomerase

P40126

P29812

Human Gene ld: 1638

**Human Swiss Prot** 

No:

Mouse Gene Id: 13190

**Mouse Swiss Prot** 

No:

**Immunogen:** The antiserum was produced against synthesized peptide derived from human

DCT. AA range:51-100

**Specificity:** TRP2 Polyclonal Antibody detects endogenous levels of TRP2 protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:40000. Not yet tested in other

applications.

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

1/3



Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 60kD

**Cell Pathway:** Tyrosine metabolism;Melanogenesis;

**Background:** catalytic activity:L-dopachrome =

5,6-dihydroxyindole-2-carboxylate.,cofactor:Binds 2 zinc ions per subunit.,function:Involved in regulating eumelanin and phaeomelanin

levels.,pathway:Pigment biosynthesis; melanin biosynthesis.,similarity:Belongs to the tyrosinase family.,subunit:Tyrosinase, TYRP1 and TYRP2 may form a

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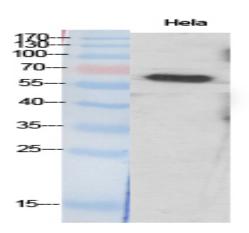
Subcellular Location:

Melanosome membrane ; Single-pass type I membrane protein . Melanosome . Proper trafficking to melanosome is regulated by SGSM2, ANKRD27, RAB9A,

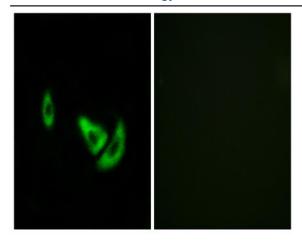
RAB32 and RAB38..

**Expression:** Liver, Lymphnode melanoma metastases, Mammary gland, Melanoma,

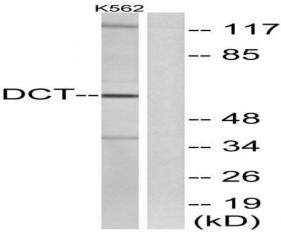
## **Products Images**



Western Blot analysis of various cells using TRP2 Polyclonal Antibody diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunofluorescence analysis of A549 cells, using DCT Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from K562 cells, using DCT Antibody. The lane on the right is blocked with the synthesized peptide.