

For Research Use Only

# DCT Polyclonal antibody

Catalog Number: 13095-1-AP **14 Publications**



## Basic Information

**Catalog Number:**

13095-1-AP

**Size:**

350 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3714

**GenBank Accession Number:**

BC028311

**GeneID (NCBI):**

1638

**UNIPROT ID:**

P40126

**Full Name:**

dopachrome tautomerase  
(dopachrome delta-isomerase,  
tyrosine-related protein 2)

**Calculated MW:**

519 aa, 59 kDa

**Observed MW:**

59 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total  
protein lysate

IHC 1:20-1:200

IF 1:200-1:800

## Applications

**Tested Applications:**

IF/ICC, IHC, IP, WB, ELISA

**Cited Applications:**

WB, IF, IHC

**Species Specificity:**

human, mouse, rat, monkey

**Cited Species:**

human, rat, mouse

**Positive Controls:**

**WB** : HL-60 cells, A375 cells, A431 cells, COS-7 cells,  
MCF-7 cells, rat skin tissue

**IP** : HL-60 cells,

**IHC** : human skin tissue,

**IF** : A549 cells,

**Note-IHC: suggested antigen retrieval with  
TE buffer pH 9.0; (\*) Alternatively, antigen  
retrieval may be performed with citrate  
buffer pH 6.0**

## Background Information

DCT(L-dopachrome Delta-isomerase) is also named as TYRP2,TRP2 and belongs to the tyrosinase family.human TYRP2 protein has 83% identity and 90% similarity to the mouse sequence and has all the structural characteristics of the tyrosinase protein family, including a signal peptide, 15 conserved cysteine residues, 2 copper-binding domains, and a C-terminal membrane-spanning region(PMID:8206391).

## Notable Publications

Author	Pubmed ID	Journal	Application
O Igoucheva	23552473	Gene Ther	IF
Su Tzu-Rong TR	24129178	Int J Mol Sci	WB
Ethan D Buhr	31607531	Curr Biol	IF

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

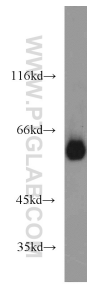
T: 4006900926

E: Proteintech-CN@ptglab.com

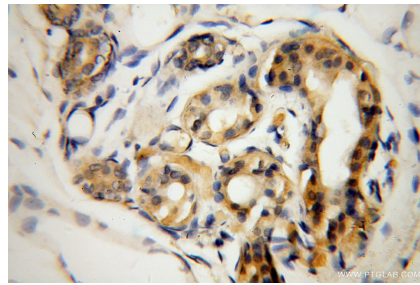
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

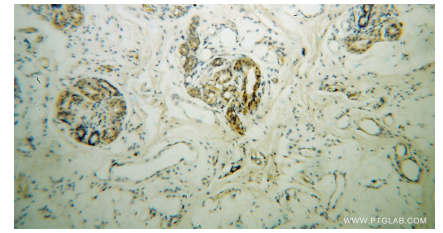
## Selected Validation Data



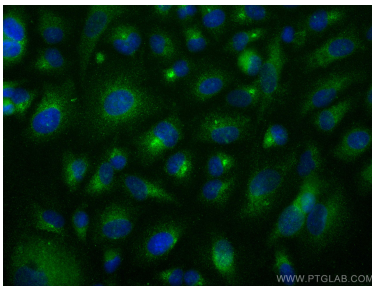
HL-60 cells were subjected to SDS PAGE followed by western blot with 13095-1-AP (DCT antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



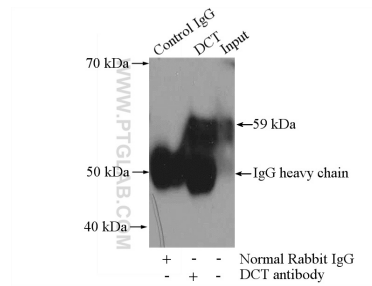
Immunohistochemical analysis of paraffin-embedded human skin using 13095-1-AP (DCT antibody) at dilution of 1:100 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human skin using 13095-1-AP (DCT antibody) at dilution of 1:100 (under 10x lens).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using DCT antibody (13095-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-DCT (IP:13095-1-AP, 4ug; Detection:13095-1-AP 1:500) with HL-60 cells lysate 4000ug.