

## DCT Polyclonal Antibody

Catalog number: 13095-1-AP

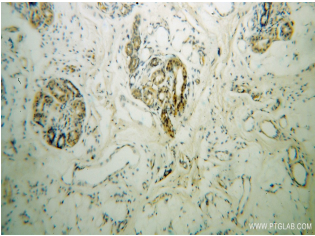
Size: 25 µg/150 µl

Source: Rabbit

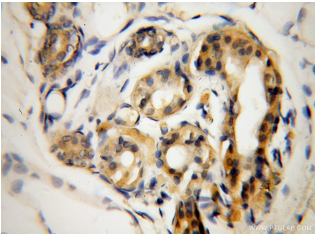
Isotype: IgG

Synonyms:

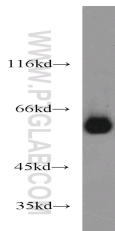
DCT; DCT, DT, L dopachrome  
Delta isomerase, L dopachrome  
tautomerase, TRP 2, TRP2,  
Tyrosinase related protein 2,  
TYRP2



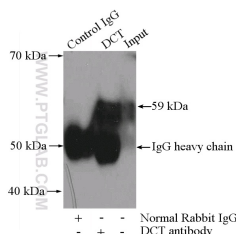
Immunohistochemical of paraffin-embedded human skin using 13095-1-AP(DCT antibody) at dilution of 1:100 (under 10x lens)



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



HL-60 cells were subjected to SDS PAGE followed by western blot with 13095-1-AP(DCT antibody) at dilution of 1:1000



### Background

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).

### Applications

Tested applications:	ELISA, IHC, WB, IP
Cited applications:	IHC, WB
Species specificity:	Human,Mouse,Rat, Monkey; other species not tested.
Cited species:	Human, mouse
Calculated DCT MW:	519aa,59 kDa
Observed DCT MW:	59 kDa
Positive WB detected in	HL-60 cells, A375 cells, A431 cells, COS-7 cells, MCF7 cells, rat skin tissue
Positive IP detected in	HL-60 cells
Positive IHC detected in	Human skin tissue
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag3714
GenBank accession number:	BC028311
Gene ID (NCBI):	1638
Full name:	Dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2)

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

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