

Dct antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12550**Specification****Dct antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	P29812
Other Accession	NM_010024 , NP_034154
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Sheep, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Sheep, Horse, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56kDa KDa

Dct antibody - N-terminal region - Additional Information**Gene ID** 13190**Alias Symbol** DT, TRP-2, TRP2, Tyrp-2, Tyrp2, slaty, slt**Other Names**

L-dopachrome tautomerase, DCT, DT, 5.3.3.12, L-dopachrome Delta-isomerase, SLATY locus protein, Tyrosinase-related protein 2, TRP-2, TRP2, Dct, Tyrp-2, Tyrp2

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Dct antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Dct antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Dct antibody - N-terminal region - Protein Information**Name** Dct {ECO:0000312|MGI:MGI:102563}**Synonyms** Tyrp-2, Tyrp2**Function**

Plays a role in melanin biosynthesis (PubMed:33100333). Catalyzes the conversion of L-dopachrome into 5,6-dihydroxyindole-2- carboxylic acid (DHICA) (PubMed:1537333, PubMed:1537333).

href="http://www.uniprot.org/citations/1537334" target="_blank">1537334).

Cellular Location

Melanosome membrane {ECO:0000250|UniProtKB:P40126}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P40126}. Melanosome. Note=Proper trafficking to melanosome is regulated by SGSM2, ANKRD27, RAB9A, RAB32 and RAB38

Tissue Location

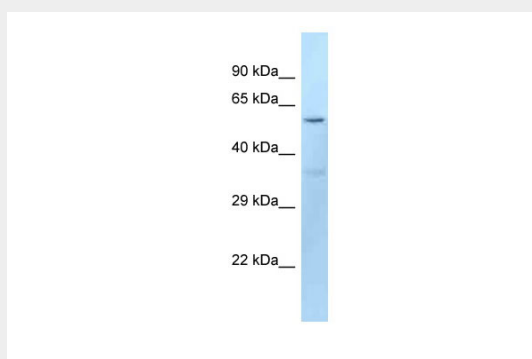
Melanocytes and retinal pigmented epithelium (at protein level).

Dct antibody - N-terminal region - 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 antibody - N-terminal region - Images



WB Suggested Anti-Dct Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Kidney