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DCT Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9956A

Product Information

Application	WB, IHC-P, E
Primary Accession	P40126
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23479
Calculated MW	59145
Antigen Region	62-89

Additional Information

Gene ID	1638
Other Names	L-dopachrome tautomerase, DCT, DT, L-dopachrome Delta-isomerase, Tyrosinase-related protein 2, TRP-2, TRP2, DCT, TYRP2
Target/Specificity	This DCT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 62-89 amino acids from the N-terminal region of human DCT.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	DCT Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

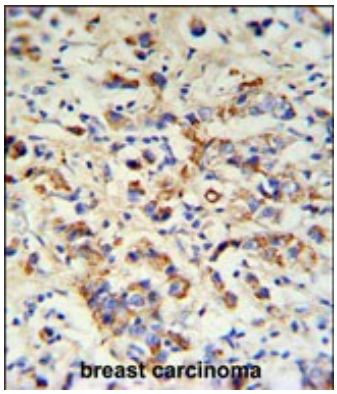
Name	DCT (HGNC:2709)
Synonyms	TYRP2
Function	Plays a role in melanin biosynthesis (PubMed: 33100333). Catalyzes the

	conversion of L-dopachrome into 5,6-dihydroxyindole-2- carboxylic acid (DHICA).
Cellular Location	Melanosome membrane; Single-pass type I membrane protein. Melanosome {ECO:0000250|UniProtKB:P29812}. Note=Proper trafficking to melanosome is regulated by SGSM2, ANKRD27, RAB9A, RAB32 and RAB38 {ECO:0000250|UniProtKB:P29812}

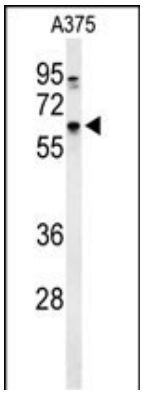
References

Edwards, M., et al. PLoS Genet. 6 (3), E1000867 (2010)
Khong, H.T., et al. J. Immunol. 168(2):951-956(2002)
Sugimoto, H., et al. Biochemistry 38(11):3268-3279(1999)

Images



DCT Antibody (N-term) (Cat. #AP9956a) IHC analysis in formalin fixed and paraffin embedded breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the DCT Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western blot analysis of DCT Antibody (N-term) (Cat. #AP9956a) in A375 cell line lysates (35ug/lane). DCT (arrow) was detected using the purified Pab.

Citations

- Measles Vaccines Designed for Enhanced CD8 T Cell Activation

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.