

Datasheet for ABIN7600843
anti-DCT antibody (AA 24-519)



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Overview

Quantity:	100 µg
Target:	DCT
Binding Specificity:	AA 24-519
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DCT antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-TRP2/DCT Antibody Picoband®
Immunogen:	E.coli-derived human TRP2/DCT recombinant protein (Position: Q24-A519).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-TRP2/DCT Antibody Picoband® (ABIN7600843). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	DCT
Alternative Name:	DCT (DCT Products)
Background:	Synonyms: Beta-galactosidase, Glb1, Glb1_mapped, rCG_25043 Background: Dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2), also known as DCT, is a human gene. The TYR-related proteins, TRP1 and TRP2, are also specifically expressed in melanocytes, and they likewise contribute to the synthesis of melanin within the melanosomes. The TRPs, including TYR, all share a similar transmembrane region, contain two metal-binding regions and a cysteine-rich epidermal growth factor motif, and are localized in the melanosomal membrane. These proteins, however, have distinct catalytic activity, and they individually contribute to the biosynthesis of melanin biopolymers. The TRPs are believed to exist as a multi-enzyme complex, as these proteins form aggregates together, and the expression of TRP1 also helps stabilize TYR in melanocytes.
Molecular Weight:	59 kDa
Gene ID:	1638
UniProt:	P40126

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Bouchard, B., Del Marmol, V., Jackson, I. J., Cherif, D., Dubertret, L. Molecular characterization of a human tyrosinase-related-protein-2 cDNA: patterns of expression in melanocytic cells. <i>Europ. J. Biochem.</i> 219: 127-134, 1994. 2. Budd, P. S., Jackson, I. J. Structure of the mouse tyrosinase-related protein-2/dopachrome tautomerase (Typr2/Dct) gene and sequence of two novel slaty alleles. <i>Genomics</i> 29: 35-43, 1995. 3. Cassady, J. L., Sturm, R. A. Sequence of the human dopachrome tautomerase-encoding TRP-2 cDNA. <i>Gene</i> 143: 295-298, 1994.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

Handling

Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.