

TRP2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51159

Product Information

Application	WB, ICC, IHC-P
Primary Accession	P40126
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59145

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	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human TRP2. The exact sequence is proprietary.
Dilution	WB~~1:1000 ICC~~N/A IHC-P~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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}

Background

Involved in regulating eumelanin and phaeomelanin levels.

References

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Cassady J.L.,et al.Gene 143:295-298(1994).
Bouchard B.,et al.Eur. J. Biochem. 219:127-134(1994).
Khong H.T.,et al.J. Immunol. 168:951-956(2002).
Dunham A.,et al.Nature 428:522-528(2004).

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