

Rabbit DCT(TRP2) Polyclonal Antibody | anti-DCT antibody

DCT(TRP2) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321957	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

DCT(TRP2); Polyclonal Antibody; DCT(TRP2) Antibody; L dopachrome tautomerase; DCT; Dopachrome delta isomerase; Dopachrome tautomerase; Dopachrome tautomerase dopachrome delta isomerase; tyrosine related protein 2; DT; EC 5.3.3.12; L dopachrome Delta isomerase; L-dopachrome Delta-isomerase; L-dopachrome tautomerase; TRP 2; TRP-2; TRP2; Tyrosinase related protein 2; Tyrosinase-related protein 2; TYRP2; TYRP2_HUMAN; anti-DCT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	DCT(TRP2) antibody detects endogenous levels of total DCT(TRP2)
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	552
Applicable Applications for anti-DCT antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DCT(TRP2)
Subcellular Location	Melanosome Membrane.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (91%), Zebrafish (82%), Bovine (91%), Horse (91%), Sheep (91%), Rabbit (91%), Dog (91%), Chicken (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis of DCT(TRP2) expression in K562 cells


IHC (Immunohistochemistry)

AAA321957 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA321957 staining A549 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-DCT antibody	Description: Involved in regulating eumelanin and phaeomelanin levels.PathwayPigment biosynthesis; melanin biosynthesis. Function: Catalyzes the conversion of L-dopachrome into 5, 6-dihydroxyindole-2-carboxylic acid (DHICA) (PubMed:8306979). Involved in regulating eumelanin and phaeomelanin levels. Subunit Structure: Tyrosinase, TYRP1 and DCT/TYRP2 may form a multienzyme complex. Post-translational Modifications: Glycosylated. Similarity: Belongs to the tyrosinase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	193788640
NCBI GeneID	1638
NCBI Accession #	NP_001123361.1
NCBI GenBank Nucleotide #	NM_001129889.2
UniProt Accession #	P40126; Q09GT4
Molecular Weight	Observed: 60 kD Predicted: 60 kDa
NCBI Official Full Name	L-dopachrome tautomerase isoform 2
NCBI Official Synonym Full Names	dopachrome tautomerase
NCBI Official Symbol	DCT
NCBI Official Synonym Symbols	TRP-2; TYRP2
NCBI Protein Information	L-dopachrome tautomerase
UniProt Protein Name	L-dopachrome tautomerase
UniProt Gene Name	DCT
UniProt Synonym Gene Names	TYRP2; DCT; DT; TRP-2; TRP2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dcttrp2-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/321957>