



DCT Polyclonal Antibody

Catalog No	YP-Ab-02893
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;IHC;IF;ELISA
Gene Name	DCT TYRP2
Immunogen	Synthetic peptide from human protein at AA range: 232-304
Specificity	The antibody detects endogenous DCT
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000,IHC-p 1:500-200, ELISA 1:10000-20000. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DCT;DT;EC:5.3.3.12;L-dopachrome Delta-isomerase;L-dopachrome tautomerase;DCT TYRP2;L-dopachrome tautomerase (DCT;EC 5.3.3.12; Tyrosinase-related protein 2;TRP-2;TRP2)
Observed Band	59kD
Calculated Molecular Weight	59kD
Cell Pathway	Melanosome membrane ; Single-pass type I membrane protein . Melanosome . Proper trafficking to melanosome is regulated by SGSM2, ANKRD27, RAB9A, RAB32 and RAB38. .
Tissue Specificity	Liver,Lymphnode melanoma metastases,Mammary gland,Melanoma,
Function	catalytic activity:L-dopachrome = 5,6-dihydroxyindole-2-carboxylate., cofactor:Binds 2 zinc ions per subunit.,function:Involved in regulating eumelanin and phaeomelanin levels.,pathway:Pigment biosynthesis; melanin biosynthesis., similarity:Belongs to the tyrosinase family.,subunit:Tyrosinase, TYRP1 and TYRP2 may form a multienzyme complex.,
Background	catalytic activity:L-dopachrome = 5,6-dihydroxyindole-2-carboxylate., cofactor:Binds 2 zinc ions per subunit.,function:Involved in regulating eumelanin and phaeomelanin levels.,pathway:Pigment biosynthesis; melanin biosynthesis.,



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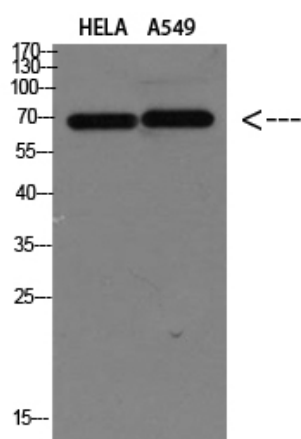
matters needing attention

Avoid repeated freezing and thawing!

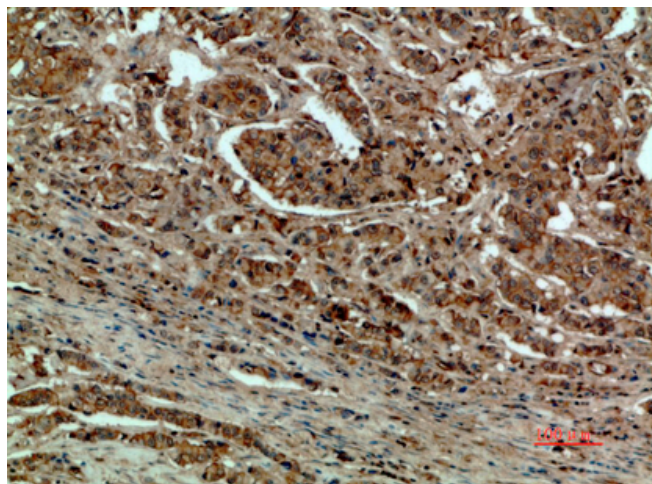
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of HELA A549 Cell Lysate, antibody was diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-breast-cancer, antibody was diluted at 1:200