

ARG41575 anti-Tyrosinase antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Tyrosinase
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Tyrosinase
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 20-340 of Human Tyrosinase (NP_000363.1).
Conjugation	Un-conjugated
Alternate Names	SHEP3; SK29-AB; Tumor rejection antigen AB; ATN; EC 1.14.18.1; Tyrosinase; LB24-AB; OCA1A; OCA1; Monophenol monooxygenase; OCAIA; CMM8

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:100
	IHC-P	1:50 - 1:100
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse liver	
Observed Size	~ 72 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

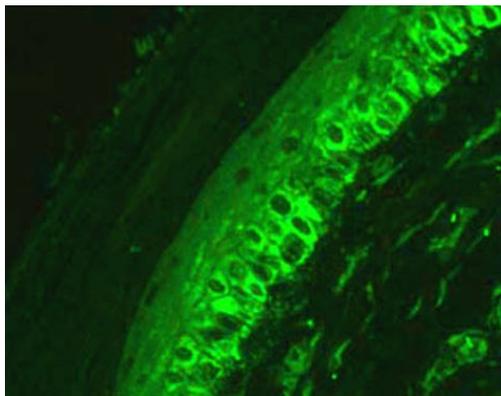
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

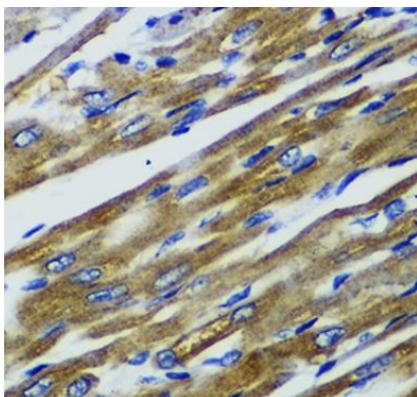
Gene Symbol	TYR
Gene Full Name	tyrosinase
Background	The enzyme encoded by this gene catalyzes the first 2 steps, and at least 1 subsequent step, in the conversion of tyrosine to melanin. The enzyme has both tyrosine hydroxylase and dopa oxidase catalytic activities, and requires copper for function. Mutations in this gene result in oculocutaneous albinism, and nonpathologic polymorphisms result in skin pigmentation variation. The human genome contains a pseudogene similar to the 3' half of this gene. [provided by RefSeq, Oct 2008]
Function	This is a copper-containing oxidase that functions in the formation of pigments such as melanins and other polyphenolic compounds. Catalyzes the rate-limiting conversions of tyrosine to DOPA, DOPA to DOPA-quinone and possibly 5,6-dihydroxyindole to indole-5,6 quinone. [UniProt]
Calculated Mw	60 kDa
PTM	Glycosylated. [UniProt]
Cellular Localization	Melanosome membrane; Single-pass type I membrane protein. Melanosome. Note=Proper trafficking to melanosome is regulated by SGSM2, ANKRD27, RAB9A, RAB32 and RAB38. [UniProt]

Images



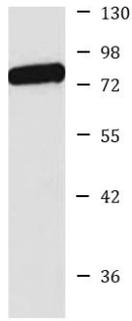
ARG41575 anti-Tyrosinase antibody IHC image

Immunohistochemistry: Rat skin tissue stained with ARG41575 anti-Tyrosinase antibody at 1:100 dilution.



ARG41575 anti-Tyrosinase antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat heart tissue stained with ARG41575 anti-Tyrosinase antibody at 1:100 dilution.



Mouse liver

ARG41575 anti-Tyrosinase antibody WB image

Western blot: 25 µg of Mouse liver lysate stained with ARG41575 anti-Tyrosinase antibody at 1:1000 dilution.