

Product datasheet

Anti-TRP1 antibody [TA99] - BSA and Azide free ab212922

[1 Image](#)

Overview

Product name	Anti-TRP1 antibody [TA99] - BSA and Azide free
Description	Mouse monoclonal [TA99] to TRP1 - BSA and Azide free
Host species	Mouse
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to Human TRP1. (SK-MEL-23 cells).
Positive control	SK-MEL-23, SK-MEL-19, SK-MEL-30, SK-MEL-37 cells; Melanoma tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Constituent: 100% PBS
Carrier free	Yes
Purity	Protein A purified
Purification notes	ab212922 was purified from Bioreactor Concentrate by Protein A/G.
Clonality	Monoclonal
Clone number	TA99
Isotype	IgG2a

Light chain type

kappa

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab212922 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 3 - 6 µg/ml.

Target

Function

Oxidation of 5,6-dihydroxyindole-2-carboxylic acid (DHICA) into indole-5,6-quinone-2-carboxylic acid. May regulate or influence the type of melanin synthesized.

Tissue specificity

Pigment cells.

Pathway

Pigment biosynthesis; melanin biosynthesis.

Involvement in disease

Defects in TYRP1 are the cause of albinism oculocutaneous type 3 (OCA3) [MIM:203290]; also known as Rufous oculocutaneous albinism. An autosomal recessive disorder in which the biosynthesis of melanin pigment is reduced in skin, hair, and eyes. Tyrosinase activity is normal and patients have only moderate reduction of pigment. The eyes present red reflex on transillumination of the iris, dilution of color of iris, nystagmus and strabismus. Darker-skinned individuals have bright copper-red coloration of the skin and hair.

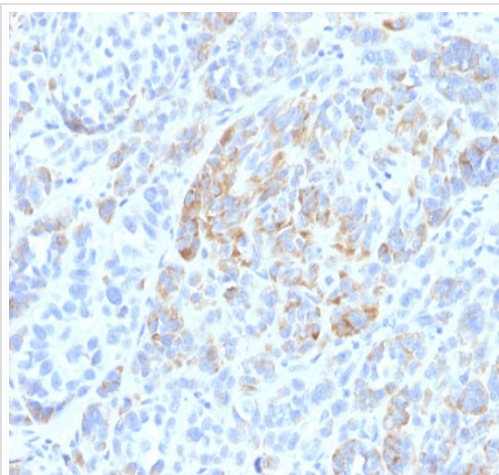
Sequence similarities

Belongs to the tyrosinase family.

Cellular localization

Melanosome membrane.

Images



Immunohistochemical analysis of Formalin fixed, paraffin-embedded human Melanoma sections labelling TRP1 with ab212922 at 3–6 µg/mL. Antigen retrieval was boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 minutes followed by cooling at room temperature for 20 minutes.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRP1 antibody [TA99] - BSA and Azide free (ab212922)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
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