abcam

Product datasheet

Anti-TRP1 antibody [TA99] ab3312

★★★★★ 10 Abreviews 31 References 1 Image

Overview

Product name Anti-TRP1 antibody [TA99]

Description Mouse monoclonal [TA99] to TRP1

Host species Mouse

Specificity ab3312 is specific for melanomas and does not react with carcinomas and sarcomas.

Tested applications Suitable for: WB

Species reactivity Reacts with: Human

Immunogen SK-MEL-23 Melanoma cell line.

Positive control In Western Blot, this antibody gave a positive signal in human skin tissue lysate.

General notes

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.

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

Properties

Form Liquid

Storage instructions Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze /

thaw cycle.

Storage buffer pH: 7.40

Preservative: 0.1% Sodium azide

Constituent: PBS

Purity Protein G purified

Clonality Monoclonal

Clone number TA99

Isotype IgG2a

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab3312 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
WB	****(1)	Use a concentration of 5 µg/ml. Detects a band of approximately 72 kDa (predicted molecular weight: 72 kDa).

Target

Function	Oxidation of 5,6-dihy	droxyindole-2-carbox	lic 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

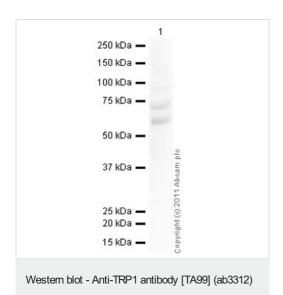
transillumination of the iris, dilution of color of iris, nystagmus and strabismus. Darker-skinned

individuals have bright copper-red coloration of the skin and hair.

Sequence similarities Belongs to the tyrosinase family.

Cellular localization Melanosome membrane.

Images



Anti-TRP1 antibody [TA99] (ab3312) at 5 μ g/ml + Human skin tissue lysate - total protein (**ab30166**) at 20 μ g

Secondary

Goat polyclonal Secondary Antibody to Mouse IgG - H&L (HRP), pre-adsorbed at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 72 kDa **Observed band size:** 72 kDa

Additional bands at: 61 kDa. We are unsure as to the identity of

these extra bands.

Exposure time: 20 minutes

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

Our Abpromise to you: Quality guaranteed and expert technical support

- · Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- · We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

• Guarantee only valid for products bought direct from Abcam or one of our authorized distributors