



Product datasheet

Anti-MelanA antibody [M2-7C10 + M2-9E3] - BSA and Azide free ab212367

[1 Image](#)

Overview

Product name	Anti-MelanA antibody [M2-7C10 + M2-9E3] - BSA and Azide free
Description	Mouse monoclonal [M2-7C10 + M2-9E3] to MelanA - BSA and Azide free
Host species	Mouse
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein corresponding to Human MelanA aa 1 to the C-terminus. Database link: Q16655
	 Run BLAST with  Run BLAST with
Positive control	Human melanoma tissue; SK-MEL-13 and SK-MEL-19 melanoma cell lines.
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	ab212367 was purified from Bioreactor Concentrate by Protein A/G.
Clonality	Monoclonal
Clone number	M2-7C10 + M2-9E3

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab212367 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 0.5 - 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. (Primary incubation for 30 minutes at RT).

Target

Function

Involved in melanosome biogenesis by ensuring the stability of GPR143. Plays a vital role in the expression, stability, trafficking, and processing of melanocyte protein PMEL, which is critical to the formation of stage II melanosomes.

Tissue specificity

Expression is restricted to melanoma and melanocyte cell lines and retina.

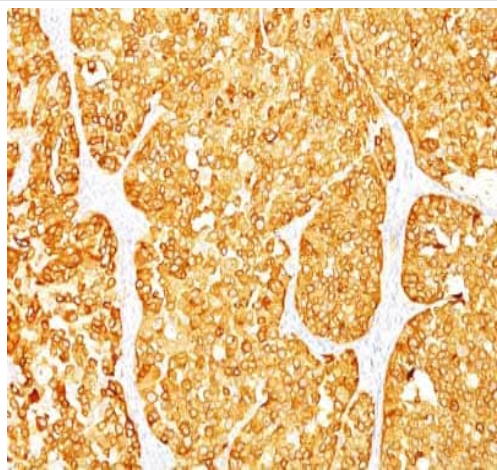
Post-translational modifications

Acylated.

Cellular localization

Endoplasmic reticulum membrane. Golgi apparatus. Golgi apparatus > trans-Golgi network membrane. Melanosome. Also found in small vesicles and tubules dispersed over the entire cytoplasm. A small fraction of the protein is inserted into the membrane in an inverted orientation. Inversion of membrane topology results in the relocalization of the protein from a predominant Golgi/post-Golgi area to the endoplasmic reticulum. Melanoma cells expressing the protein with an inverted membrane topology are more effectively recognized by specific cytolytic T-lymphocytes than those expressing the protein in its native membrane orientation.

Images



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human melanoma tissue labeling MelanA with ab212367 at 1 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MelanA antibody [M2-7C10 + M2-9E3] - BSA and Azide free (ab212367)

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

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