

Product datasheet

Anti-MelanA antibody [DT101 + BC199] ab731

Recombinant

★★★★★ [3 Abreviews](#) [19 References](#) [1 Image](#)

Overview

Product name	Anti-MelanA antibody [DT101 + BC199]
Description	Mouse recombinant multiclonal [DT101 + BC199] to MelanA
Host species	Mouse
Tested applications	Suitable for: IHC-P, IHC-Fr
Species reactivity	Reacts with: Mouse, Rat, Dog, Human
Immunogen	Recombinant full length protein corresponding to Human MelanA.
Positive control	Melanoma
General notes	<p>This product was changed from ascites to tissue culture supernatant on 8th March 2018. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <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> <p>Please note that this antibody is an oligoclonal antibody. It is a cocktail of monoclonal antibodies that have been carefully selected. Oligoclonal antibodies have not only the specificity and batch-to-batch consistency of a monoclonal antibody, but also have the advantage of the sensitivity of a polyclonal antibody due to their ability to recognize multiple epitopes on an antigen.</p>

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	Constituents: PBS, Tissue culture supernatant

	Proprietary preservative that is not sodium azide or thimerosal, protein carrier.
Purity	Tissue culture supernatant
Clonality	Recombinant Multiclonal
Clone number	DT101 + BC199
Myeloma	unknown
Isotype	IgG2b
Light chain type	unknown

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab731 in the following tested applications.

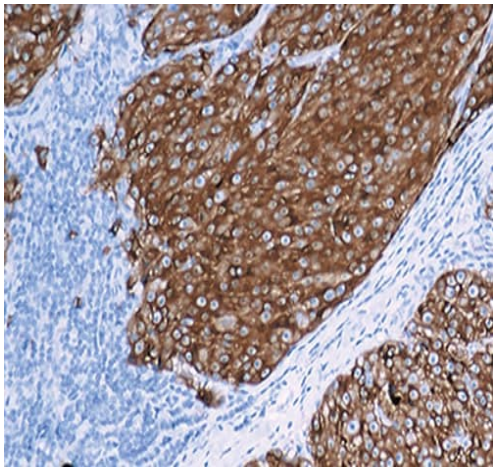
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★★ (2)	1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. ABC method.
IHC-Fr		Use at an assay dependent concentration. ABC method. It is sometimes difficult to interpret DAB stained melanomas due to endogenous pigment. We recommend you substitute an AEC or a Fast Red substrate protocol. An avidin biotin blocking may be required for certain types of melanomas.

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



Immunohistochemistry analysis of Melanoma tissue labeling MelanA with ab731.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MelanA antibody [DT101 + BC199] (ab731)

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