

Anti-Melanoma gp100 antibody [HMB45] - BSA and Azide free ab212829

[1 References](#) [2 图像](#)

概述

产品名称	Anti-Melanoma gp100抗体[HMB45] - BSA and Azide free
描述	小鼠单克隆抗体[HMB45] to Melanoma gp100 - BSA and Azide free
宿主	Mouse
经测试应用	适用于: IHC-P
种属反应性	与反应: Human 不与反应: Rat, Dog
免疫原	Tissue, cells or virus corresponding to Human Melanoma gp100. BALB/C mice were injected with extract of pigmented melanoma metastases from lymph nodes. Database link: P40967
阳性对照	Human melanoma and testis tissues; SK-MEL-28 cells.
常规说明	<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>

性能

形式	Liquid
存放说明	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.
存储溶液	pH: 7.2 Constituent: 100% PBS
无载体	是
纯度	Protein A purified
纯化说明	ab212829 was purified from Bioreactor Concentrate by Protein A/G.
克隆	单克隆

克隆编号	HMB45
同种型	IgG1
轻链类型	kappa

应用

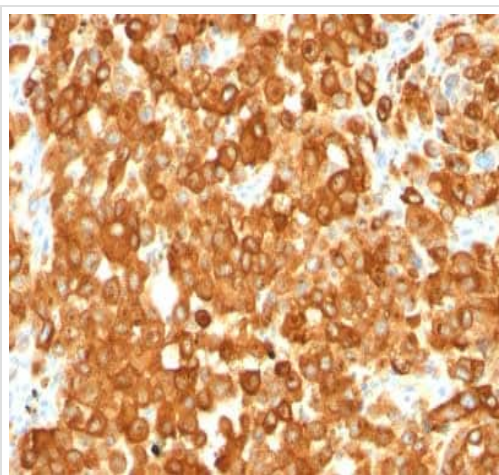
The Abpromise guarantee **Abpromise™**承诺保证使用ab212829于以下的经测试应用

“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
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).

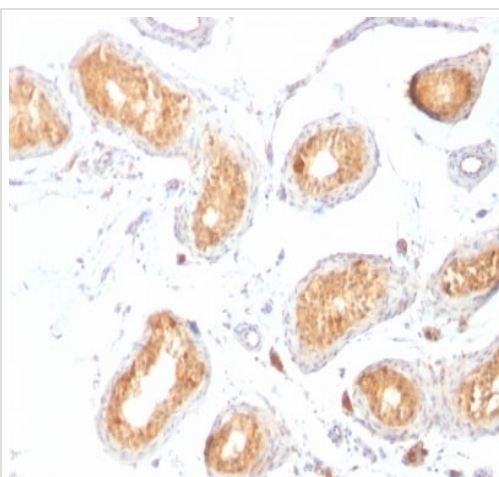
靶标

功能	Plays a central role in the biogenesis of melanosomes. Involved in the maturation of melanosomes from stage I to II. The transition from stage I melanosomes to stage II melanosomes involves an elongation of the vesicle, and the appearance within of distinct fibrillar structures. Release of the soluble form, ME20-S, could protect tumor cells from antibody mediated immunity.
组织特异性	Preferentially expressed in melanomas. Some expression was found in dysplastic nevi. Not found in normal tissues nor in carcinomas. Normally expressed at low levels in quiescent adult melanocytes but overexpressed by proliferating neonatal melanocytes and during tumor growth.
序列相似性	Belongs to the PMEL/NMB family. Contains 1 PKD domain.
结构域	The RPT domain is essential for the generation of the fibrillar matrix of melanosomes. The luminal domain is necessary for correct processing and trafficking to melanosomes.
翻译后修饰	A small amount of P1/P100 (major form) undergoes glycosylation to yield P2/P120 (minor form). P2 is cleaved by a furin-like proprotein convertase (PC) in a pH-dependent manner in a post-Golgi, prelysosomal compartment into two disulfide-linked subunits: a large luminal subunit, M-alpha/ME20-S, and an integral membrane subunit, M-beta. Despite cleavage, only a small fraction of M-alpha is secreted, whereas most M-alpha and M-beta remain associated with each other intracellularly. M-alpha is further processed to M-alpha N and M-alpha C. M-alpha C further undergoes processing to yield M-alpha C1 and M-alpha C3 (M-alpha C2 in the case of PMEL17-is or PMEL17-ls). Formation of intraluminal fibrils in the melanosomes requires the formation of M-alpha that becomes incorporated into the fibrils. Stage II melanosomes harbor only Golgi-modified Pmel17 fragments that are derived from M-alpha and that bear sialylated O-linked oligosaccharides. N-glycosylated. O-glycosylated; contains sialic acid.
细胞定位	Secreted and Endoplasmic reticulum membrane. Golgi apparatus. Melanosome. Endosome > multivesicular body. Identified by mass spectrometry in melanosome fractions from stage I to stage IV. Localizes predominantly to intraluminal vesicles (ILVs) within multivesicular bodies. Associates with ILVs found within the lumen of premelanosomes and melanosomes and particularly in compartments that serve as precursors to the striated stage II premelanosomes.



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human melanoma tissue labeling Melanoma gp100 with ab212829 at 1 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Melanoma gp100 antibody [HMB45] - BSA and Azide free (ab212829)



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human testis tissue labeling Melanoma gp100 with ab212829 at 1 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Melanoma gp100 antibody [HMB45] - BSA and Azide free (ab212829)

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