abcam

Product datasheet

Anti-Melanoma gp100 antibody ab52058

★★★★★ 2 Abreviews 7 References 画像数1

製品の概要

製品名 Anti-Melanoma gp100 antibody

製品の詳細 Goat polyclonal to Melanoma gp100

由来種 Goat

アプリケーション **適用あり:** WB

種交差性 交差種: Human

交差が予測される動物種: Mouse, Rat, Cow, Dog, Pig 🔷

免疫原 Synthetic peptide:

CPIGENSPLLSG00

, corresponding to C terminal amino acids 647-660 of Human Melanoma gp100

Run BLAST with

Run BLAST with

ポジティブ・コントロール

Human skin lysate

特記事項

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

製品の特性

製品の状態 Liquid

保存方法 Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

バッファー pH: 7.30

Preservative: 0.02% Sodium azide

Constituents: 0.5% BSA, Tris buffered saline

精製度 Immunogen affinity purified

特記事項(精製) Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity

chromatography using the immunizing peptide.

ポリ/モノ

ポリクローナル

アイソタイプ

ΙgG

アプリケーション

The Abpromise guarantee <u>Abpromise保証は、</u>次のテスト済みアプリケーションにおけるab52058の使用に適用されますアプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★ (1)	Use a concentration of 1 - 3 µg/ml. Detects a band of approximately 26 kDa (predicted molecular weight: 70 kDa). Approx 26kDa band observed in Human Skin lysates, corresponding to the M-beta fragment of the precursor protein (Leonhardt et al, Mol Biol Cell. 2013 Apr;24(7):964-81.PMID: 23389629). Calculated MW of 70.3kDa according to NP_008859.1. Primary incubation was 1 hour.

ターゲット情報

機能

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.

組織特異性

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.

配列類似性

Belongs to the PMEL/NMB family.

Contains 1 PKD domain.

ドメイン

The RPT domain is essential for the generation of the fibrillar matrix of melanosomes.

The lumenal domain is necessary for correct processing and trafficking to melanosomes.

翻訳後修飾

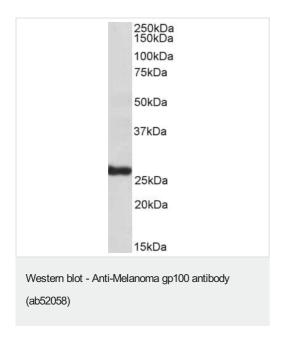
A small amount of P1/P100 (major form) undergoes glycosylation to yield P2/P120 (minor form). P2 is cleaved by a furin-like proprotein convertase (PC) in a pH-dependent manner in a post-Golgi, prelysosomal compartment into two disulfide-linked subunits: a large lumenal subunit, M-alpha/ME20-S, and an 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-is). Formation of intralumenal fibrils in the melanosomes requires the formation of M-alpha that becomes incorporated into the fibrils. Stage II melanosomes harbor only Golgimodified Pmel17 fragments that are derived from M-alpha and that bear sialylated O-linked oligosaccharides.

N-glycosylated. O-glycosylated; contains sialic acid.

細胞内局在

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 intralumenal 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.

画像



Anti-Melanoma gp100 antibody (ab52058) at 1 μ g/ml + Human Skin lysate at 35 μ g

Predicted band size: 70 kDa

Additional bands at: 26 kDa (possible immature (unprocessed))

Primary incubation was 1 hour. Detected by chemiluminescence. The 26kDa band observed in Human Skin lysate corresponds to the precusor protein M-beta fragment (Leonhardt et al, Mol Biol Cell. 2013 Apr;24(7):964-81.PMID: 23389629).

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