

PMEL 17 Recombinant Rabbit Monoclonal Antibody

Cat: HKZ150149

Company: HaoKebio

Uniprot ID: P40967

Applications: IHC: 1:100-1:200

Organism: Rabbit

IHC-Polymer: 1:400-1:800

Species reactivity: Human

TSA: 1:500-1:1000

Predicted Molecular Weight: 70 kDa

Background:

PMEL17, also known as HMB45 or GP100, is a melanosome-specific antigen. It plays a critical role in the maturation of melanocytes from stage I to stage II, characterized by vesicle elongation and the formation of distinct fibrillar structures internally. PMEL17 is expressed in immature and activated melanocytes (e.g., during inflammation, vascular proliferation, or potential tumorigenesis) but is absent in mature and quiescent melanocytes. It is also expressed in melanomas. Studies suggest that PMEL17 serves as a sensitive and specific marker for melanocytic cells.

Protein full name:

Melanocyte protein PMEL17

Synonyms:

ME20-M, M-beta, M-alpha

Immunogen:

A synthetic peptide corresponding to amino acid residues 561–661 of PMEL17.

Isotype:

IgG

Subcellular location:

Cytoplasm

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

59% PBS, 0.01% sodium azide, 40% glycerol, 0.05% BSA.

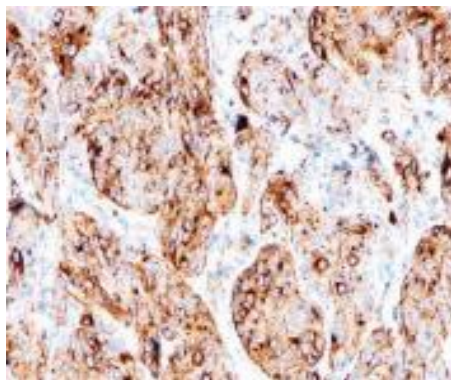
Storage:

Ship on blue ice. Upon receipt, aliquot and store at -25°C to -18°C. Avoid repeated freeze-thaw cycles.

Experimental procedure:

Antigen retrieval using Tris-EDTA buffer (pH 9.0); primary antibody incubation at room temperature (18 °C – 25 °C) for 30 minutes.

Images:



Immunohistochemical results of PMEL17-labeled human melanoma tissue (formalin-fixed, paraffin-embedded sections) using HKZ150149. Antigen retrieval was performed with Tris-EDTA buffer (pH 9.0).

Source of Reagents:

1. Rothberg BE, et.al, Mod Pathol. 2008 Sep;21(9):1121-9.
2. Wagner SN, et.al, Cancer Immunol Immunother. 1997 Jun; 44(4):239-47.

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发表[中文论文]请标注: PMEL 17 (HKZ150149) 由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注: PMEL 17 (HKZ150149) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.

