

PMEL Rabbit mAb

Catalog No.: A23684

Recombinant

1 Publications

Basic Information

Observed MW

100kDa

Calculated MW

70kDa

Category

Primary antibody

Applications

WB, IHC-P, ELISA

Cross-Reactivity

Human

CloneNo number

ARC59527

Background

This gene encodes a melanocyte-specific type I transmembrane glycoprotein. The encoded protein is enriched in melanosomes, which are the melanin-producing organelles in melanocytes, and plays an essential role in the structural organization of premelanosomes. This protein is involved in generating internal matrix fibers that define the transition from Stage I to Stage II melanosomes. This protein undergoes a complex pattern of posttranslational processing and modification that is essential to the proper functioning of the protein. A secreted form of this protein that is released by proteolytic ectodomain shedding may be used as a melanoma-specific serum marker. Alternate splicing results in multiple transcript variants.

Recommended Dilutions

WB 1:500 - 1:1000**IHC-P** 1:500 - 1:1000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

6490

Swiss Prot

P40967

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

P1; SI; SIL; ME20; P100; SILV; HMB45; ME20M; gp100; HMB-45; ME20-M; PMEL17; D12S53E; PMEL

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

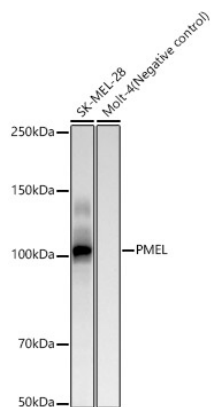
Affinity purification

Storage

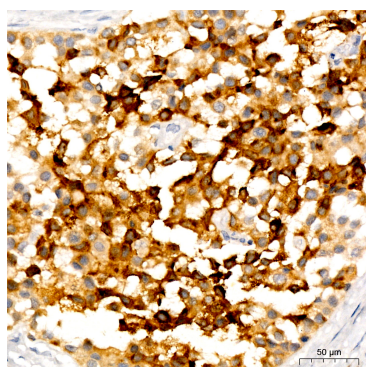
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of various lysates, using PMEL Rabbit mAb (A23684) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.



Immunohistochemistry analysis of paraffin-embedded Human malignant melanoma using PMEL Rabbit mAb (A23684) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.