

Anti-PMEL Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P106496

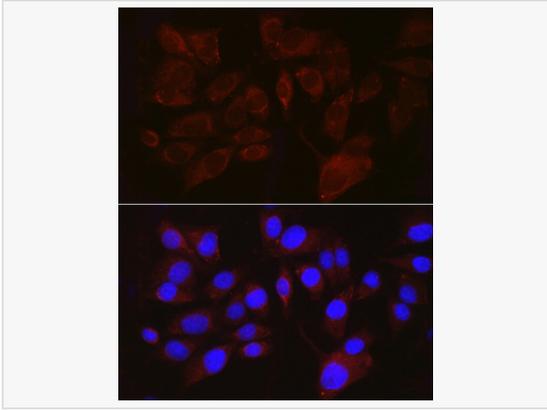
Product Information

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| Application | WB, IF (Cell)/ICC, ELISA |
| Reactivity | Human, Mouse, Rat |
| Dilution | WB 1:500~1:2,000; IF 1:50~1:200 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | Recombinant fusion protein containing a sequence corresponding to amino acids 320-430 of human PMEL (NP_008859.1). |
| Format | Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3. |
| Storage | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-PMEL Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures. |

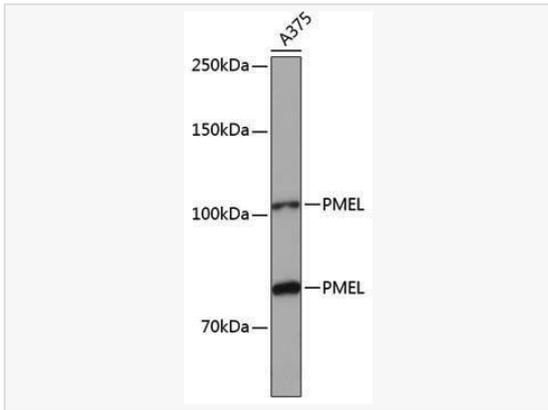
Protein Information

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|---------------|---|
| Synonyms | P1; SI; SIL; ME20; P100; SILV; HMB45; ME20M; gp100; HMB-45; ME20-M; PMEL17; D12S53E; PMEL. |
| Calculated MW | Calculated MW: 70 kDa; Observed MW: 80 kDa/105 kDa |
| Uniprot ID | P40967 |
| Gene ID | 6490 |
| 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. |

Validation Images



Immunofluorescence analysis of A375 cells using PMEL Rabbit pAb (P106496) at dilution of 1:100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of lysates from A375 cells, using PMEL Rabbit pAb (P106496) at 1:1,000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Kit (SQ201).

Exposure time: 3min.