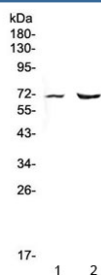


PMEL17 / Melanoma gp100 Antibody (RQ4546)

Catalog No.	Formulation	Size
RQ4546	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P40967
Applications	Western Blot : 0.5-1ug/ml
Limitations	This PMEL17 antibody is available for research use only.



Western blot testing of 1) rat heart and 2) mouse heart lysate with PMEL17 antibody at 0.5ug/ml. Predicted molecular weight: ~70 kDa (unmodified), ~100 kDa (glycosylated).

Description

This gene is mapped to 12q13.2. It 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.

Application Notes

Optimal dilution of the PMEL17 antibody should be determined by the researcher.

Immunogen

Amino acids KVPRNQDWLGVSRQLRTKAWNRQLYPEWTEAQRLD were used as the immunogen for the PMEL17 antibody.

Storage

After reconstitution, the PMEL17 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.