

Melan-A Polyclonal Antibody
Catalog # AP70911**Specification**

Melan-A Polyclonal Antibody - Product Information

Application	WB, IHC-P
Primary Accession	Q16655
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

Melan-A Polyclonal Antibody - Additional Information**Gene ID** 2315**Other Names**

MLANA; MART1; Melanoma antigen recognized by T-cells 1; MART-1; Antigen LB39-AA; Antigen SK29-AA; Protein Melan-A

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.

IHC-P~~N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Melan-A Polyclonal Antibody - Protein Information**Name** MLANA**Synonyms** MART1**Function**

Involved in melanosome biogenesis by ensuring the stability of GPR143. Plays a vital role in the expression, stability, trafficking, and processing of melanocyte protein PMEL, which is critical to the formation of stage II melanosomes.

Cellular Location

Endoplasmic reticulum membrane; Single-pass type III membrane protein. Golgi apparatus. Golgi apparatus, trans-Golgi network membrane. Melanosome. Note=Also found in small vesicles and tubules dispersed over the entire cytoplasm. A small fraction of the protein is inserted into the membrane in an inverted orientation Inversion of membrane topology results in the relocalization of the protein from a predominant Golgi/post-Golgi area to the endoplasmic reticulum. Melanoma cells expressing the protein with an inverted membrane topology are more effectively recognized

by specific cytolytic T-lymphocytes than those expressing the protein in its native membrane orientation

Tissue Location

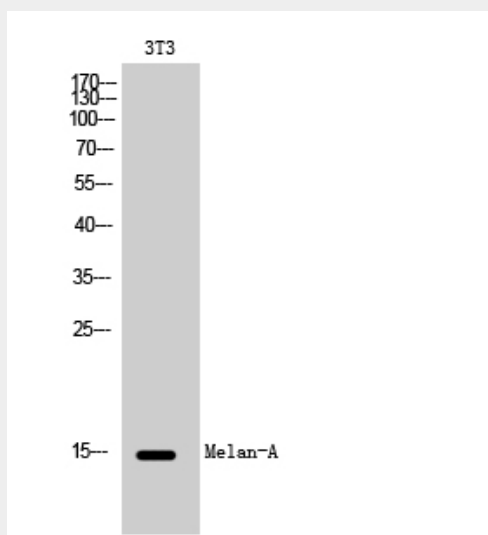
Expression is restricted to melanoma and melanocyte cell lines and retina

Melan-A Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Melan-A Polyclonal Antibody - Images



Western Blot analysis of 3T3 cells using Melan-A Polyclonal Antibody

Melan-A Polyclonal Antibody - Background

Involved in melanosome biogenesis by ensuring the stability of GPR143. Plays a vital role in the expression, stability, trafficking, and processing of melanocyte protein PMEL, which is critical to the formation of stage II melanosomes.