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melan A

Mouse Monoclonal antibody(Mab)
Catalog # AD80231

Specification

melan A - Product info

Application	**IHC-P**
Primary Accession	Q16655
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**13157**

melan A - Additional info

Gene ID	**2315**
Gene Name	**MLANA**

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

Dilution
IHC-P~~Ready-to-use

Storage
Maintain refrigerated at 2-8°C

Precautions	**MART-1/melan A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**

melan A - 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**

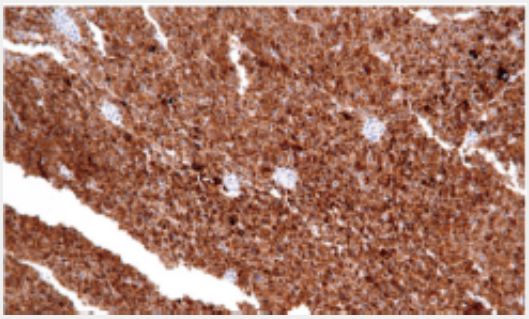
Tissue Location	**protein is inserted into the membrane in an inverted orientation. Inversion of membrane topology results in the relocalization of the protein from a predominant Golgi/post- Golgi area to the endoplasmic reticulum. Melanoma cells expressing the protein with an inverted membrane topology are more effectively recognized by specific cytolytic T-lymphocytes than those expressing the protein in its native membrane orientation Expression is restricted to melanoma and melanocyte cell lines and retina**

melan A - Protocols

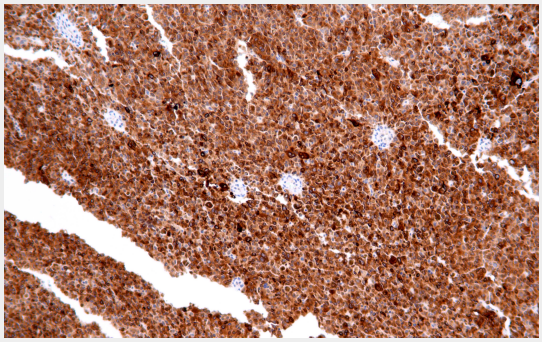
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

melan A - Images



Malignant melanoma



Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue using AD80231 performed on the Abcarta® FAIP-30 Fully automated IHC platform.Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer

(pH9. 0). Samples were incubated with primary antibody(Ready-to-use) for 15 min at room temperature. AmpSeeTM Detection Systems□Abcepta:AR005□ was used as the secondary antibody.