

melan A

Mouse Monoclonal antibody(Mab) Catalog # AD80231

Specification

melan A - Product info

Application Primary Accession Reactivity Host Clonality Calculated MW IHC-P <u>Q16655</u> Human Mouse Monoclonal 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



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

Tissue Location

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
- <u>Cell Culture</u>

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.