

**melan A**  
**Mouse Monoclonal antibody(Mab)**  
**Catalog # AD80231**

## Specification

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### melan A - Product info

Application	IHC-P, IHC
Primary Accession	<a href="#">Q16655</a>
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  
IHC~~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**  
**Function**

**MART1**

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. 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

**Cellular Location**

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

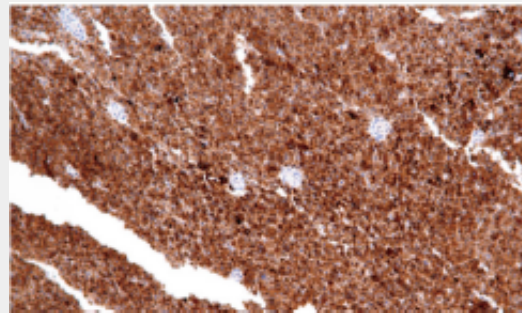
Tissue Location

### melan A - Protocols

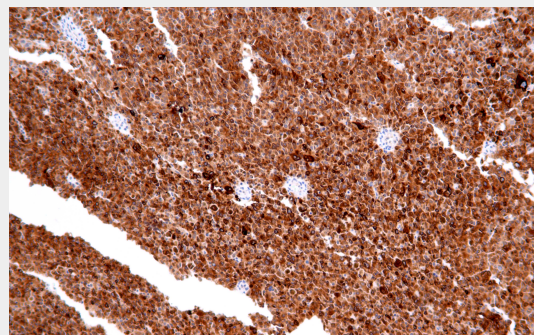
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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. AmpSee™ Detection Systems [Abcepta:AR005] was used as the secondary antibody.