

For Research Use Only

# Melan-A Polyclonal antibody

Catalog Number: 18472-1-AP

4 Publications



## Basic Information

### Catalog Number:

18472-1-AP

### Size:

150ul , Concentration: 400 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG13346

### GenBank Accession Number:

BC014423

### GeneID (NCBI):

2315

### UNIPROT ID:

Q16655

### Full Name:

melan-A

### Calculated MW:

13 kDa

### Observed MW:

13-20 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:200-1:1000

IHC 1:500-1:2000

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse

### Cited Species:

mouse

### Positive Controls:

WB : mouse eye tissue,

IHC : human malignant melanoma tissue, human skin tissue

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Melan-A is a palmitoylated integral membrane protein of 118 amino acids with a short amino-terminal luminal domain and a longer carboxy-terminal cytoplasmic domain. The protein does not possess any detectable enzymatic activity and has not been linked to any of the numerous genetic defects that affect skin pigmentation. Melan-A is new immunohistochemical markers that can be used in the diagnosis of melanocytic lesions. (PMID: 15703212, PMID: 17445277)

## Notable Publications

Author	Pubmed ID	Journal	Application
Loree C Heller	39176175	Mol Ther Nucleic Acids	IF
Kai Kudo	38719806	Cell Death Discov	IHC
Masaki Arioka	37981227	Life Sci	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

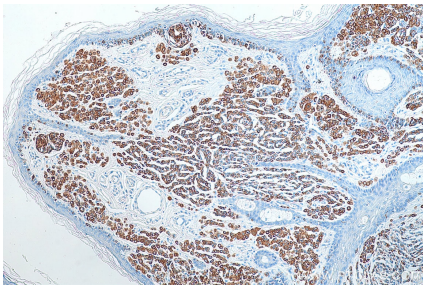
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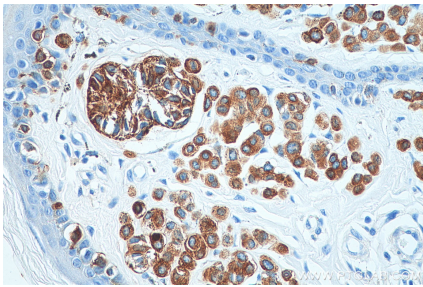
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue slide using 18472-1-AP (Melan-A antibody) at dilution of 1:1000 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue slide using 18472-1-AP (Melan-A antibody) at dilution of 1:1000 (under 40x lens).



mouse eye tissue were subjected to SDS PAGE followed by western blot with 18472-1-AP (MLANA Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.