

For Research Use Only

# Melan-A Polyclonal antibody

Catalog Number: 18472-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 18472-1-AP	<b>GenBank Accession Number:</b> BC014423	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2315	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IHC 1:2000-1:8000
<b>Source:</b> Rabbit	<b>Full Name:</b> melan-A	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 13 kDa	
<b>Immunogen Catalog Number:</b> AG13346	<b>Observed MW:</b> 13-20 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : mouse eye tissue, IHC : human malignant melanoma tissue, human skin tissue
<b>Cited Applications:</b> IHC, WB	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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
Masaki Arioka	37981227	Life Sci	WB
Karoon Shamsoun	37240209	Int J Mol Sci	IHC

## Storage

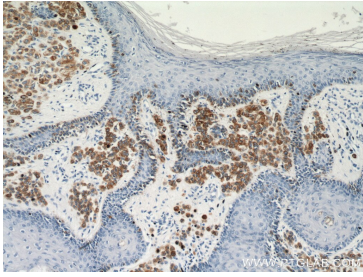
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

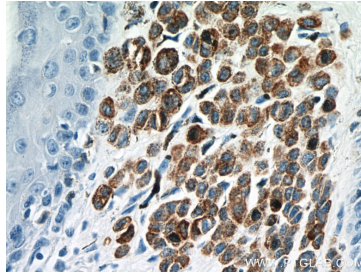
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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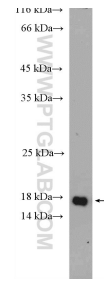
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue slide using 18472-1-AP (MLANA antibody) at dilution of 1:4000 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue slide using 18472-1-AP (MLANA antibody) at dilution of 1:4000 (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.