

Product Datasheet

PMEL17/SILV Antibody (HMB45) - IHC-Prediluted NBP2-48316

Unit Size: 7 ml

Store at 4C.

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NBP2-48316

PMEL17/SILV Antibody (HMB45) - IHC-Prediluted

Product Information	
Unit Size	7 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C.
Clonality	Monoclonal
Clone	HMB45
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	95 kDa

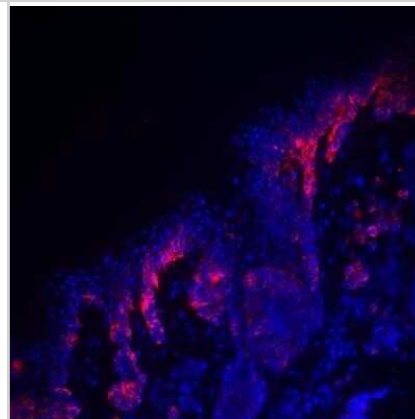
Product Description	
Description	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.
Host	Mouse
Gene ID	6490
Gene Symbol	PMEL
Species	Human, Canine (Negative), Rat (Negative)
Reactivity Notes	Does not react with Canine or Rat.
Marker	Melanoma Marker
Specificity/Sensitivity	The gp100 molecule is a 100kDa glycosylated protein that is cleaved into a small (26kDa) carboxy-terminal fragment and a larger amino- terminal section (6038kDa fragments. By immunohistochemistry, it specifically recognizes a protein in melanocytes and melanomas. This monoclonal antibody reacts with junctional and blue nevus cells and variably with fetal and neonatal melanocytes. Intradermal nevi, normal adult melanocytes, and non-melanocytic cells are negative. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin. Metastatic amelanotic melanoma can often be confused with a variety of poorly differentiated carcinomas, large cell lymphomas, and sarcomas using H E stains alone. It is also difficult to differentiate melanoma from spindle cell carcinomas and various types of mesenchymal neoplasms. This monoclonal antibody stains fetal and neonatal melanocytes, junctional and blue nevus cells, and malignant melanoma. This monoclonal antibody also stains Angiomyolipoma (PEComa).
Immunogen	Extract of pigmented melanoma metastases from lymph nodes

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin, Multiplex Immunoassay
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin, Multiplex Immunoassay
Application Notes	Use in Multiplex Immunoassay reported in scientific literature (PMID: 31942075). Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

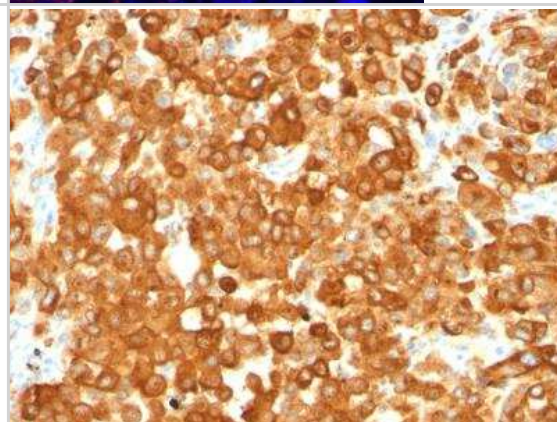


Images

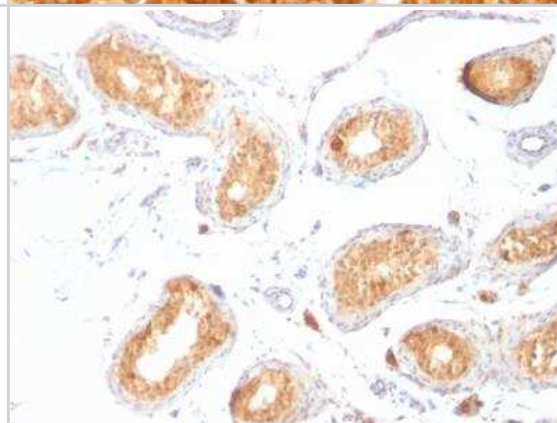
Immunohistochemistry: PMEL17/SILV Antibody (HMB45) - IHC-Prediluted [NBP2-48316] - PMEL17 (red) was detected in human skin (melanoma) using PMEL17-PE antibody (1:200) in PBS for 1 hour. Nuclei were stained with DAPI (blue). Image from a verified customer review. Image using the PE format of this antibody.



Immunohistochemistry-Paraffin: PMEL17/SILV Antibody (HMB45) - IHC-Prediluted [NBP2-48316] - Formalin-fixed, paraffin-embedded human Melanoma stained with gp100 / Melanosome Monoclonal Antibody (HMB45).



Immunohistochemistry-Paraffin: PMEL17/SILV Antibody (HMB45) - IHC-Prediluted [NBP2-48316] - Formalin-fixed, paraffin-embedded human Testis stained with gp100 / Melanosome Monoclonal Antibody (HMB45).





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Products Related to NBP2-48316

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-38185PEP	PMEL17/SILV Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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