

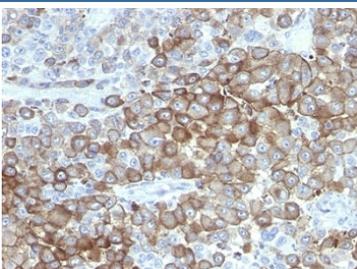
## Melanoma Antibody / PNL2 [clone PNL2] (V3071)

Catalog No.	Formulation	Size
V3071-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3071-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3071SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3071IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

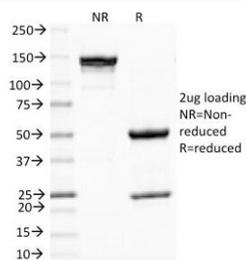
 Citations (12)

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	PNL2
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	Not Known
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Immunofluorescence : 0.5-1ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT
<b>Limitations</b>	This Melanoma antibody PNL2 is available for research use only.



IHC analysis of formalin-fixed, paraffin-embedded human melanoma stained with Melanoma antibody (clone PNL2).



SDS-PAGE Analysis of Purified, BSA-Free Melanoma Antibody (clone PNL2).  
Confirmation of Integrity and Purity of the Antibody.

## Description

Anti-PNL2 is a novel melanoma marker monoclonal antibody, which has recently been introduced as an immunohistochemical reagent to stain melanocytes and tumors derived therefrom. The antigen recognized by PNL2 is different from Melan A and gp100. Its epitope is not destroyed by digestion with neuraminidase i.e. its epitope is not glycosylated. Anti-PNL2 may be most useful because of its high sensitivity for metastatic melanoma (87%), as opposed to 76% for anti-HMB45 and 82% for anti-MART-1. Anti-PNL2 labels intra-epidermal nevi while the dermal component of compound nevi are largely non-reactive with anti-PNL2. Antibodies against PNL2, MART-1 (Melan A) and HMB45 stain most clear cell sarcoma cells and a few cells in angiomyolipomas and lymphangioliomyomatosis. Anti-PNL2 is a useful antibody for the identification of melanomas and clear cell sarcomas. Differential diagnosis is aided by the results from a panel of antibodies, including antibodies against HMB45, MART-1, tyrosinase, and MiTF.

## Application Notes

Optimal dilution of the Melanoma antibody PNL2 should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Melanocyte antigen was used as the immunogen for the Melanoma antibody PNL2.

## Storage

Store the Melanoma antibody PNL2 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).