

PNL2 (Melanoma Associated Antigen) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone PNL2] Catalog # AH12892

Product Information

Application IHC, IF

Reactivity Human, Mouse, Drosophila

HostMouseClonalityMonoclonalIsotypeMouse / IgG1

Clone Names PNL2 Calculated MW 160 KDa

Additional Information

Application Note IHC~~1:100~500 IF~~1:50~200

Storage Store at 2 to 8°C.Antibody is stable for 24 months.

Precautions PNL2 (Melanoma Associated Antigen) Antibody - With BSA and Azide is for

research use only and not for use in diagnostic or therapeutic procedures.

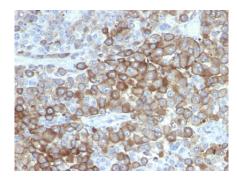
Background

Anti-PNL2 is a novel 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 id 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 angio-myolipomas and lymphangioleiomyomatosis. 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.

References

Rochaix, P et al. PNL2, a New Monoclonal Antibody Directed against a Fixative-Resistant Melanocyte Antigen. Mod Pathol 2003;16(5):481-490. | J. A. Ramos-Vara and M. A. Miller. Immunohistochemical Identification of Canine Melanocytic Neoplasms With Antibodies to Melanocytic Antigen PNL2 and Tyrosinase: Comparison With Melan A. Veterinary Pathology OnlineFirst, published on September 21, 2010 as doi:10.1177/0300985810382095

Images



Formalin-fixed, paraffin-embedded human Melanoma stained with PNL2 Monoclonal Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.