# 36-2301: Anti-MART-1 / Melan-A / MLANA (Melanoma Marker) Polyclonal Antibody 

| Clonality : | Polyclonal |
| :--- | :--- |
| Application : | WB,IHC |
| Reactivity : | Human, Mouse, Rat |
| Gene : | MLANA |
| Gene ID : | 2315 |
| Uniprot ID : | Q16655 |
| Alternative Name : | Antigen LB39-AA, Antigen SK29-AA, Melanoma antigen recognized by T-cells 1, MLAN-A, |
| Isotype : | MLANA |
| Immunogen Information : Recombinant human MLANA protein |  |

## Description

This antibody recognizes a protein doublet of $20-22 \mathrm{kDa}$, identified as MART-1 (Melanoma Antigen Recognized by T cells 1 ) or Melan-A. MART-1 is a newly identified melanocyte differentiation antigen recognized by autologous cytotoxic T lymphocytes. Seven other melanoma associated antigens recognized by autologous cytotoxic T cells include MAGE-1, MAGE-3, tyrosinase, gp100, gp75, BAGE-1, and GAGE-1. Subcellular fractionation shows that MART-1 is present in melanosomes and endoplasmic reticulum. This antibody labels melanomas and other tumors showing melanocytic differentiation. It is also a useful positivemarker for angiomyolipomas. It does not stain tumor cells of epithelial, lymphoid, glial, or mesenchymal origin.

## Product Info

| Amount : | $20 \mu \mathrm{~g} / 100 \mu \mathrm{gg}$ |
| :--- | :--- |
| Content : | $200 \mu \mathrm{~g} / \mathrm{ml}$ of Ab Purified by Protein A/G. Prepared in 10 mM PBS with $0.05 \%$ BSA \& $0.05 \%$ azide. |
|  | Also available WITHOUT BSA \& azide at $1.0 \mathrm{mg} / \mathrm{ml}$. |

## Application Note

Western Blot ( $2-4 \mathrm{ug} / \mathrm{ml}$ ); Immunohistochemistry (Formalin-fixed) ( $1-2 \mathrm{ug} / \mathrm{ml}$ for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0 , for 45 min at $95 \& \mathrm{deg} \mathrm{C}$ followed by cooling at RT for 20 minutes);


Fig. 1: Formalin-fixed, paraffin-embedded human Melanoma stained with MART-1 Rabbit Polyclonal Antibody.

