



Order: (888)-282-5810 (Phone)
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MLANA (vPair™) Antibodies

Cat#: R2493-vp

Lot#: Refer to vial

Predicted I Observed M.W.: 13 I 20 kDa

Uniprot ID: Q16655

Application: WB

Quantity: 50 ul MLANA (M) (R2493-1) Rabbit Polyclonal Antibody &
50 ul MLANA (C) (R2493-2) Rabbit Polyclonal Antibody

Product Introduction:

vPair™ antibodies represent a pair of fully characterized antibodies that recognize two different regions of a target protein. The product is developed by Abiocode to address whether the signal observed truly represents the protein of interest, an often encountered issue in antibody-based assays. The use of a pair of fully characterized vPair™ antibodies in the same assay can validate signal specificity since vPair™ antibodies recognize two independent epitopes of the same protein. Different sets of vPair™ antibodies are developed at Abiocode to work with specific applications, including antibody arrays, Western blot, IP-Western, CHIP, IHC, and FACS.

Background:

Melanoma antigen recognized by T-cells 1 (MLANA) is a single-pass type III membrane protein involved in melanosome biogenesis by ensuring the stability of GPR143. MLANA plays a vital role in the expression, stability, trafficking, and processing of melanocyte protein PMEL, which is critical to the formation of stage II melanosomes.

Other Names:

Melanoma antigen recognized by T-cells 1, MART1, Antigen LB39-AA, Antigen SK29-AA, Protein Melan-A

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing either the middle [MLANA (M) (R2493-1)] or the C-terminal [MLANA (C) (R2493-2)] region of human MLANA. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

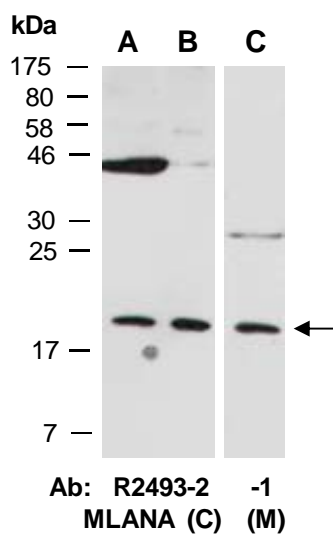


Fig 1. Western blot of total cell extracts from A, C) mouse thymus, B) human HeLa; using 2 independent Abs against 2 distinct regions of human MLANA at RT for 2 h.