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DNMT3A (vPair™) Antibodies

Cat#: R0015-vp

Lot#: Refer to vial

Predicted | Observed M.W.: 102 | 120 kDa

Uniprot ID: Q9Y6K1

Application: WB, IP, ChIP

Quantity: 50 ul DNMT3A (N2) (R0015-1) Rabbit Polyclonal Antibody &
50 ul DNMT3A (N) (R0015-2) 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:

DNA (cytosine-5)-methyltransferase 3A (DNMT3A) is required for genome wide de novo methylation and is integral for the formation of DNA methylation patterns during development. DNA methylation is coordinated with methylation of histones. DNMT3A modifies DNA in a non-processive manner and is involved in the methylation of CpG island as well as non-CpG island.

Other Names:

DNMT3A2, DNA MTase HsaIIIA, M.HsaIIIA

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing two distinct N-terminal regions of human DNMT3A [DNMT3A(N2) (R0015-1) and DNMT3A(N) (R0015-2)]. 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

Applications & Recommended Conditions:

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

IP & ChIP: 1:100 - 1:200

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

Product Data:

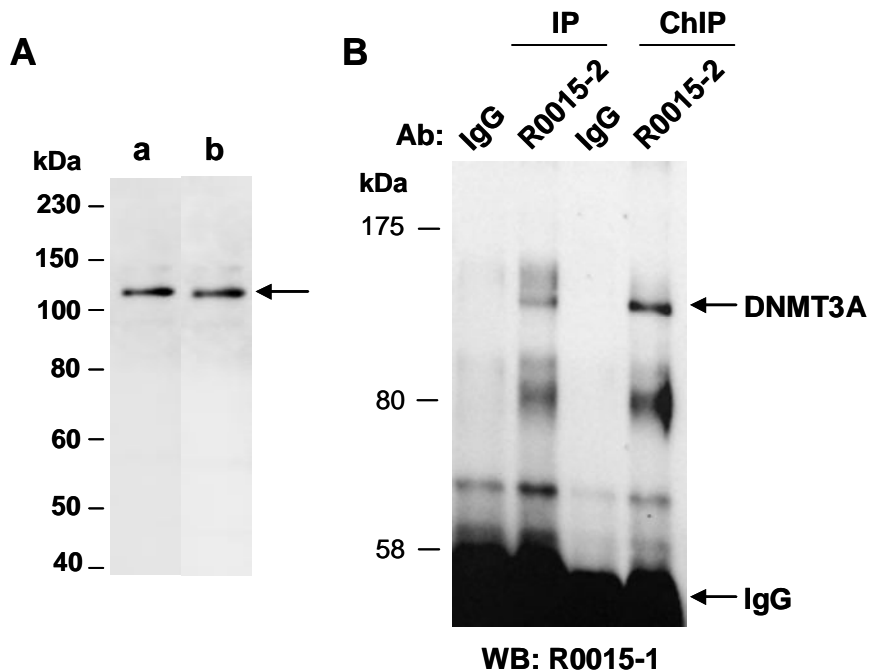


Fig 1. (A) Western blot of total cell extracts from mouse thymus, using a. DNMT3A(N2) (R0015-1) or b. DNMT3A(N) (R0015-2) at RT for 2 h. **(B)** Total extracts from mouse thymus were immunoprecipitated (IP) with IgG or anti-DNMT3A (N) (R0015-2) under the conventional IP conditions or cross-linked chromatin immunoprecipitation (ChIP) conditions; followed by WB with anti-DNMT3A (N2) (R0015-1) at RT for 2 h.