Order: (888)-282-5810 (Phone)
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Web: www.Abiocode.com

SETD1A (vPair™) Antibodies

Cat#: R0196-vp **Lot#: Refer to vial**

Predicted I Observed M.W.: 186 I 250 kDa **Uniprot ID: O15047**

Application: WB

Quantity: 50 ul SETD1A (N) (R0196-2) Rabbit Polyclonal Antibody &

50 ul SETD1A (C) (R0196-1) 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:

SET1A is a component of a histone methyltransferase (HMT) complex that produces mono-, di-, and trimethylated histone H3 at Lys-4. The complex is the analog of the S. cerevisiae Set1/COMPASS complex. SETD1A specifically methylates Lys-4 of histone H3, but not if the neighboring Lys-9 residue is already methylated. H3 Lys-4 methylation represents a specific tag for epigenetic transcriptional activation. The non-overalpping localization of SETD1A with SETD1B suggests that SETD1A and SETD1B make non-redundant contributions to the epigenetic control of chromatin structure and gene expression.

Other Names:

Histone-lysine N-methyltransferase SETD1A, Lysine N-methyltransferase 2F, SET domain-containing protein 1A, hSET1A, Set1/Ash2 histone methyltransferase complex subunit SET1, KIAA0339, KMT2F, SET1, SET1A

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing either the C-terminal [SETD1A (C) (R0196-1)] or the N-terminal [SETD1A (N) (R0196-2)] region of human SETD1A. Antibodies were purified by affinity purification using immunogen.

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Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN_3. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human

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:

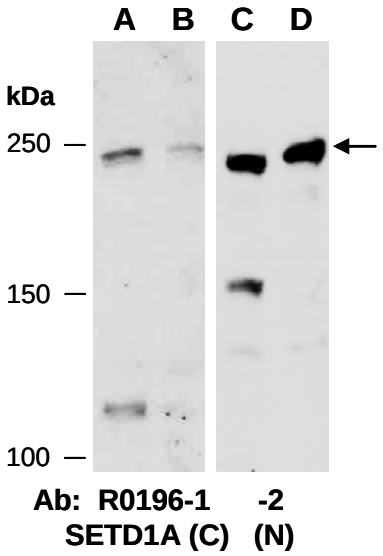

Fig 1. *Western blot of total cell extracts from (A) human HeLa, (B) human Jurkat, using 2 independent Abs against 2 distinct regions of human SETD1A at RT for 2 h.*

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