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(818)-707-0392 (Fax)
order@abiocode.com
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WHSC1 (vPair™) Antibodies

Cat#: R0858-vp

Lot#: Refer to vial

Predicted M.W.: 152 kDa

Uniprot ID: O96028

Application: WB

Quantity: 50 ul WHSC1 (N) (R0858-1) Rabbit Polyclonal Antibody &
50 ul WHSC1 (M) (R0858-2) 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:

Wolf-Hirschhorn syndrome candidate 1 protein (WHSC1) is a probable histone methyltransferase which may act as a transcription regulator that binds DNA and suppresses IL5 transcription. WHSC1 contains four domains present in other developmental proteins: a PWWP domain, an HMG box, a SET domain and a PHD-type zinc finger. It is expressed ubiquitously in early development. Wolf-Hirschhorn syndrome (WHS) is a malformation syndrome associated with a hemizygous deletion of the distal short arm of chromosome 4. The WHSC1 gene maps to the 165 kb WHS critical region and has also been implicated in the chromosomal translocation t(4;14)(p16.3;q32.3) in multiple myelomas. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms.

Other Names:

Probable histone-lysine N-methyltransferase NSD2, Multiple myeloma SET domain-containing protein, Nuclear SET domain-containing protein 2, Protein trithorax-5, Wolf-Hirschhorn syndrome candidate 1 protein, KIAA1090, MMSET, NSD2, TRX5

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing either the N-terminal [WHSC1(N) (R0858-1)] or the middle [WHSC1(M) (R0858-2)] region of human WHSC1. 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

Tested Applications:

WB: 1:500-1:1,000 (detect endogenous protein*)

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

Product Data:

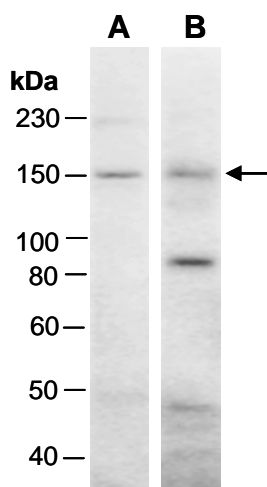


Fig 1. Western blot of total cell extracts from human HeLa, using 2 independent antibodies against 2 distinct regions of human WHSC1 (A: R0858-1, N-terminal; B: R0858-2, middle) at RT for 2 h.