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## WHSC1 (N) Antibody, Rabbit Polyclonal

**Cat#:** R0858-1

**Quantity:** 100 ul

**Predicted M.W.:** 152 kDa

**Lot#:** Refer to vial

**Application:** WB

**Uniprot ID:** O96028

### **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 a GST-fusion protein containing the N-terminal 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% NaN<sub>3</sub>. Store at -20 °C. Stable for 6 months from date of receipt.

### **Species Specificity:**

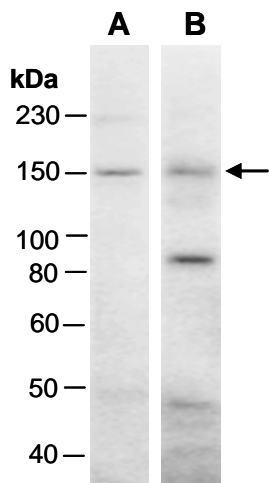
Human

### **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.