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## RNF43 (vPair™) Antibodies

**Cat#: R2513-vp1**

**Lot#: Refer to vial**

**Predicted | Observed M.W.: 86 | 90, 130 kDa**

**Uniprot ID: Q5NCP0**

**Application: WB, IP**

**Quantity:** 50 ul RNF43 (N) (R2513-1) Rabbit Polyclonal Antibody &  
50 ul RNF43 (C2) (R2513-3a) 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:**

E3 ubiquitin-protein ligase RNF43 is a single-pass type I membrane protein belonging to the ZNRF3 family. RNF43 is an E3 ubiquitin-protein ligase that acts as a negative regulator of the Wnt signaling pathway by mediating the ubiquitination, endocytosis and subsequent degradation of Wnt receptor complex components Frizzled. RNF43 acts on both canonical and non-canonical Wnt signaling pathway, as well as a tumor suppressor in the intestinal stem cell zone by inhibiting the Wnt signaling pathway, thereby restricting the size of the intestinal stem cell zone.

### **Other Names:**

E3 ubiquitin-protein ligase RNF43, RING finger protein 43

### **Source and Purity:**

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing either the N-terminal [RNF43 (N) (R2513-1)] or the C-terminal [RNF43 (C2) (R2513-3a)] region of mouse RNF43. 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.

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Abiocode, Inc., 29397 Agoura Rd., Ste 106, Agoura Hills, CA 91301**

**Species Specificity:**

Human, Mouse

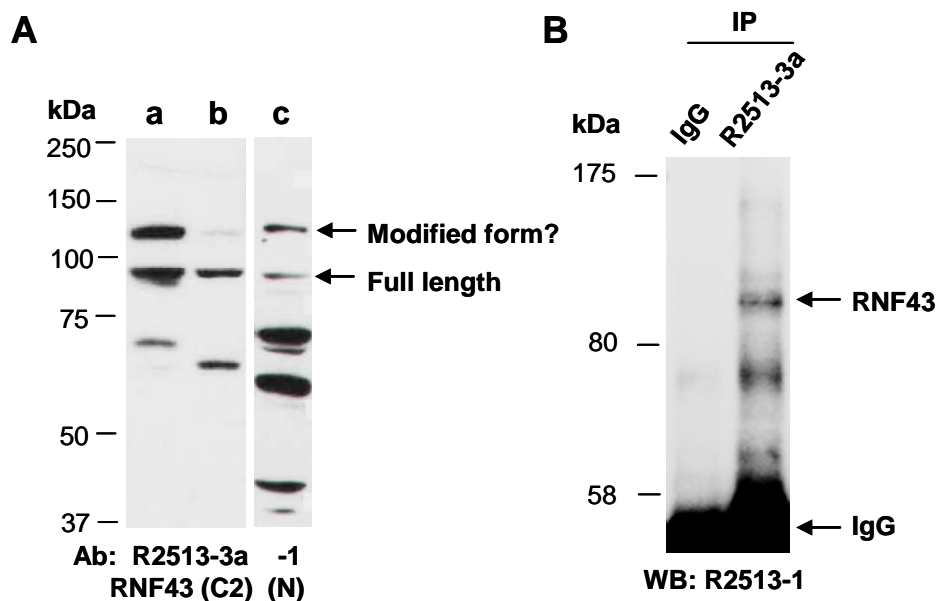
**Tested Applications:**

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

IP: 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 a. human HeLa, b, c. human Jurkat; using 2 independent Abs against 2 distinct regions of human or mouse RNF43 at RT for 2 h. These Abs recognize the 90 kD full-length RNF43 and a 130 kD protein, possibly a modified form of RNF43. **(B)** IP-WB. Immunoprecipitation (IP) was performed with human HeLa extracts with IgG or anti-RNF43 (C2) (R2513-3a), followed by WB with anti-RNF43 (N) (R2513-1). Only the full length RNF43, but not the modified form, was immunoprecipitated.