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RNF43 (vPair™) Antibodies

Cat#: R2513-vp2

Lot#: Refer to vial

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

Application: WB

Uniprot ID: Q68DV7 (R2513-2) and Q5NCP0 (R2513-3b)

Quantity: 50 ul RNF43 (C) (R2513-2) Rabbit Polyclonal Antibody &
50 ul RNF43 (C2) (R2513-3b) 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 the C-terminal regions of either human RNF43 (R2513-2) or mouse RNF43 (R2513-3b). 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.

**For research use only. Not for therapeutic or diagnostic purposes.
Abiocode, Inc., 29397 Agoura Rd., Ste 106, Agoura Hills, CA 91301**



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Species Specificity:

Human, Mouse

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:

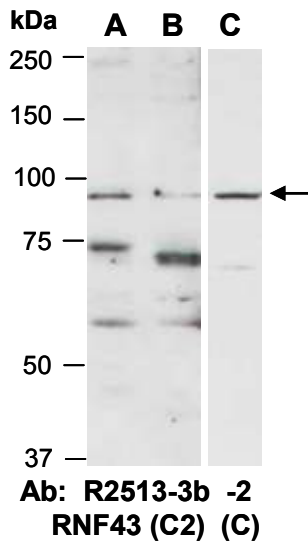


Fig 1. Western blot of total cell extracts from (A) human HeLa, (B, C) human Jurkat; using 2 independent Abs against 2 distinct regions of human or mouse RNF43 at RT for 2 h.