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RNF43 (C2) Antibody, Rabbit Polyclonal

Cat#: R2513-3a

Quantity: 100 ul

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

Lot#: Refer to vial

Application: WB, IP

Uniprot ID: Q5NCP0

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 a GST-fusion protein containing the C-terminal 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% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

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:

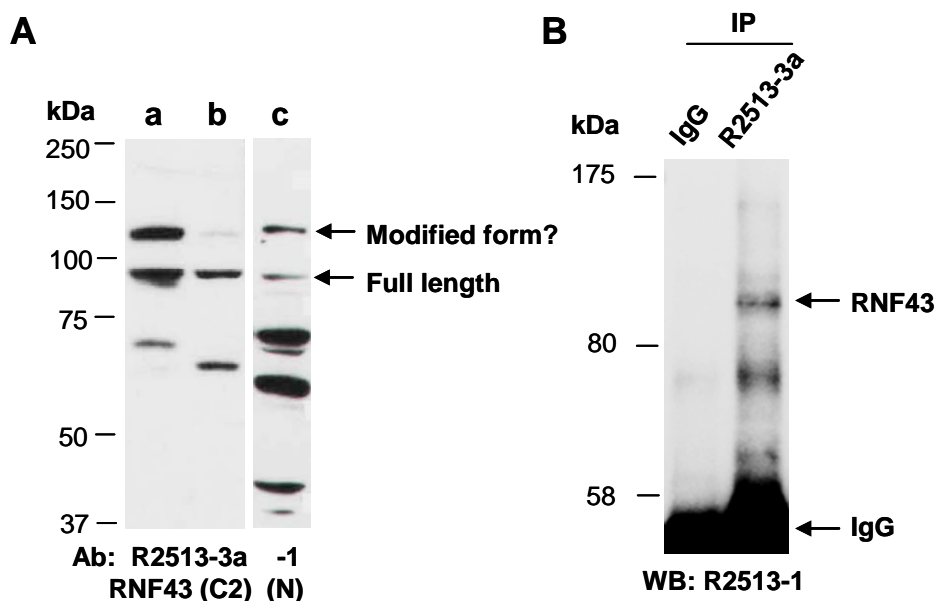


Fig 1. (A) Western blot of total cell extracts from a. human HeLa, b, c. human Jurkat; using 2 independent Abs against 2 distinct regions of human or mouse RNF43 at RT for 2 h. These Abs recognize the 90 kD full-length RNF43 and a 130 kD protein, possibly a modified form of RNF43. **(B)** IP-WB. Immunoprecipitation (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.