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ZNRF3 (vPair™) Antibodies

Cat#: R2407-vp

Lot#: Refer to vial

Predicted | Observed M.W.: 101 kDa

Uniprot ID: Q9ULT6

Application: WB, IP

Quantity: 50 ul ZNRF3 (N) (R2407-1) Rabbit Polyclonal Antibody &

50 ul ZNRF3 (C) (R2407-2) 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:

E3 ubiquitin-protein ligase ZNRF3 is a single-pass type I membrane protein belonging to the ZNRF3 family. ZNRF3 is an E3 ubiquitin-protein ligase that acts as a negative regulator of the Wnt signaling pathway by mediating the ubiquitination and subsequent degradation of Wnt receptor complex components Frizzled and LRP6. ZNRF3 acts on both canonical and non-canonical Wnt signaling pathway. Additionally, ZNRF3 acts 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 ZNRF3, RING finger protein 203, Zinc/RING finger protein 3, KIAA1133, RNF203

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing either the N-terminal [ZNRF3 (N) (R2407-1)] or the C-terminal [ZNRF3 (C) (R2407-2)] region of human ZNRF3. Antibodies were purified by affinity purification using immunogen.

Species Specificity:

Human, Mouse

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

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.

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:

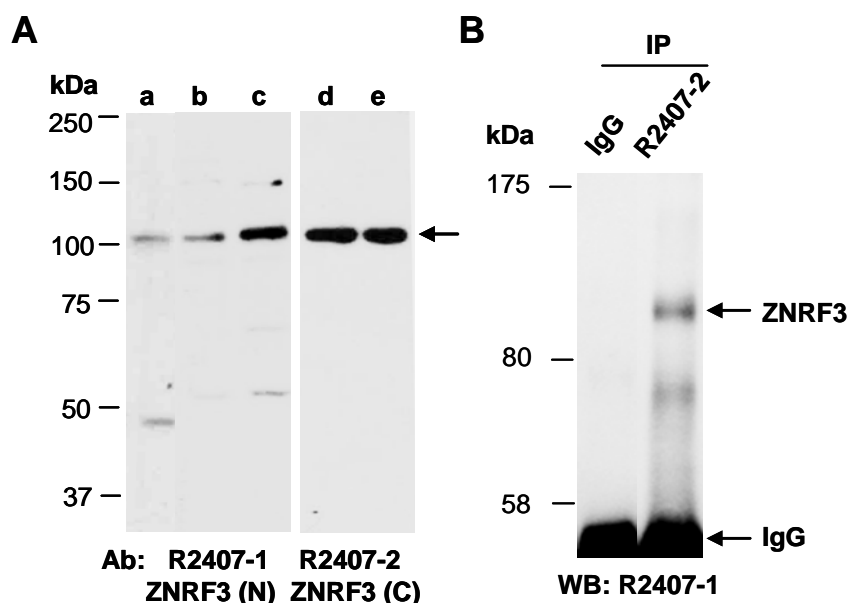


Fig 1. (A) Western blot of total cell extracts from a. mouse thymus, b,d. human HeLa, c,e. human Jurkat; using 2 independent Abs against 2 distinct regions of human ZNRF3 at RT for 2 h. **(B)** IP-WB. Immunoprecipitation (IP) was performed with human Jurkat extracts with IgG or anti-ZNRF3 (C) (R2407-2), followed by WB with anti-ZNRF3 (N) (R2407-1).