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RNF5 (N) Antibody, Rabbit Polyclonal

Cat#: R2598-1

Quantity: 100 ul

Predicted | Observed M.W.: 20 | 30 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q99942

Background:

RNF5 has E2-dependent E3 ubiquitin-protein ligase activity. May function together with E2 ubiquitin-conjugating enzymes UBE2D1/UBCH5A and UBE2D2/UBC4. RNF5 mediates ubiquitination of PXN/paxillin and Salmonella type III secreted protein sopA. RNF5 may be involved in regulation of cell motility and localization of PXN/paxillin. RNF5 mediates the 'Lys-63'-linked polyubiquitination of JKAMP thereby regulating JKAMP function by decreasing its association with components of the proteasome and ERAD; the ubiquitination appears to involve E2 ubiquitin-conjugating enzyme UBE2N. RNF5 mediates the 'Lys-48'-linked polyubiquitination of TMEM173 at 'Lys-150' leading to its proteasomal degradation; the ubiquitination occurs in mitochondria after viral transfection and regulates antiviral responses.

Other Names:

Protein G16, RING finger protein 5, Ram1 homolog, G16, NG2, RMA1, RING5

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human RNF5. 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

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:

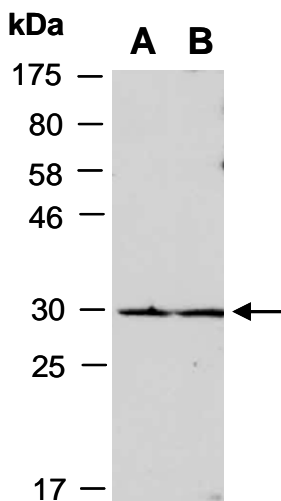


Fig 1. Western blot of total cell extracts from (A) human HeLa, (B) human Jurkat; using anti-RNF5 (N) (R2598-1) at RT for 2 h.