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RFWD2 (N) Antibody, Rabbit Polyclonal

Cat#: R0888-1

Quantity: 100 ul

Predicted | Observed MW: 80 | 90 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q8NHY2

Background:

E3 ubiquitin-protein ligase RFWD2 belongs to the COP1 family. RFWD2 mediates ubiquitination and subsequent proteasomal degradation of target proteins. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. RFWD2 is involved in JUN ubiquitination and degradation. RFWD2 is directly involved in p53 (TP53) ubiquitination and degradation, thereby abolishing p53-dependent transcription and apoptosis. RFWD2 ubiquitinates p53 independently of MDM2 or RCHY1, and it probably mediates E3 ubiquitin ligase activity by functioning as the essential RING domain subunit of larger E3 complexes. In contrast, it does not constitute the catalytic RING subunit in the DCX DET1-COP1 complex that negatively regulates JUN, the ubiquitin ligase activity being mediated by RBX1.

Other Names:

E3 ubiquitin-protein ligase RFWD2, Constitutive photomorphogenesis protein 1 homolog, hCOP1, RING finger and WD repeat domain protein 2, RING finger protein 200, COP1, RNF200

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human RFWD2. 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:

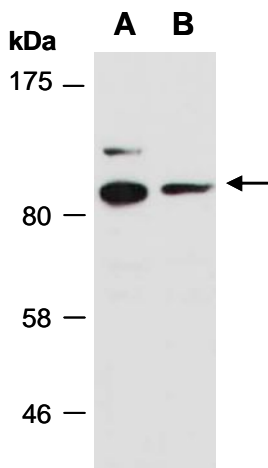


Fig 1. Western blot of total cell extracts from A) human HeLa, B) human Jurkat; using anti-RFWD2 (N) (R0888-1) at RT for 2 h.