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TRIM33 (C2) Antibody, Rabbit Polyclonal

Cat#: R1158-2

Quantity: 100 ul

Predicted | Observed M.W.: 123 | 150-170 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q9UPN9

Background:

Tripartite motif-containing protein 33 (TRIM33) is a nuclear protein localized in discrete nuclear dots resembling nuclear bodies. TRIM33 acts as an E3 ubiquitin-protein ligase, and promotes SMAD4 ubiquitination, nuclear exclusion and degradation via the ubiquitin proteasome pathway. TRIM33 may act as a transcriptional repressor of the TGF-beta/BMP signaling cascade. It is thought that TRIM33 can monoubiquitinate SMAD4, which hampers its ability to form a stable complex with activated SMAD2/3 resulting in inhibition of TGF-beta/BMP signaling cascade. TRIM33 plays a role in the control of cell proliferation. Defects in TRIM33 are a cause of thyroid papillary carcinoma (TPC).

Other Names:

E3 ubiquitin-protein ligase TRIM33, Ectodermin homolog, RET-fused gene 7 protein, Protein Rfg7, Transcription intermediary factor 1-gamma, TIF1-gamma, Tripartite motif-containing protein 33

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human TRIM33. 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*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

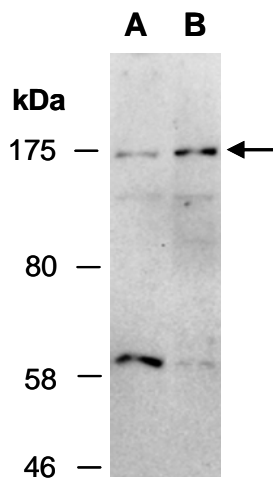


Fig 1. Western blot of total cell extracts from (A) human Jurkat, (B) mouse thymus; using anti-TRIM33 (C2) (R1158-2) at RT for 2 h.