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E2F8 (N) Antibody, Rabbit Polyclonal

Cat#: R2673-1

Quantity: 100 ul

Predicted | Observed M.W.: 94 | 110, 82 kDa

Lot#: Refer to vial

Application: WB, IP

Uniprot ID: A0AVK6

Background:

E2F8 participates to various processes such as angiogenesis and polyploidization of specialized cells. E2F8 mainly acts as a transcription repressor that binds DNA independently of DP proteins. E2F8 directly represses transcription of classical E2F transcription factors such as E2F1: component of a feedback loop in S phase by repressing the expression of E2F1, thereby preventing p53/TP53-dependent apoptosis. E2F8 plays a key role in polyploidization of cells in placenta and liver by regulating the endocycle, probably by repressing genes promoting cytokinesis and antagonizing action of classical E2F proteins (E2F1, E2F2 and/or E2F3). E2F8 is required for placental development by promoting polyploidization of trophoblast giant cells. E2F8 acts as a promoter of sprouting angiogenesis, possibly by acting as a transcription activator: associates with HIF1A, recognizes and binds the VEGFA promoter, which is different from canonical E2 recognition site, and activates expression of the VEGFA gene.

Other Names:

FLJ23311

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human E2F8. 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.

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.

Species Specificity:

Human

Product Data:

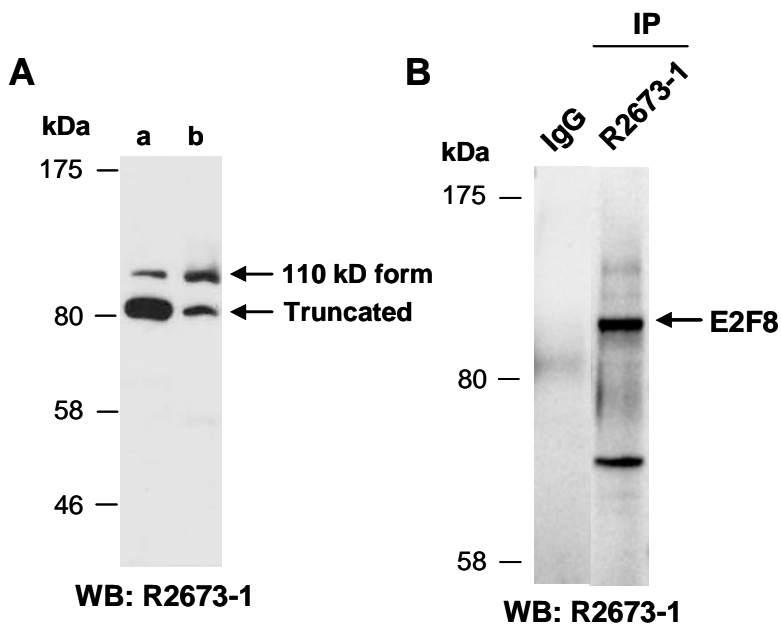


Fig 1. (A) Western blot of total cell extracts from a. human HeLa, b. human Jurkat, using anti-E2F8 (N) (R2673-1) at RT for 2 h. This Ab recognizes the 110 kD form and the 82 kD truncated E2F8 [Maiti B. et al., JBC (2005) 280:18211-20]. **(B)** Total extracts from human Jurkat were immunoprecipitated (IP) with IgG or anti-E2F8 (N) (R2673-1); followed by WB with the same Ab at RT for 2 h.