Order: (888)-282-5810 (Phone)
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E2F7 (C) Antibody, Rabbit Polyclonal

Cat#: R2593-2

Lot#: Refer to vial

Quantity: 100 ul

Application: WB, IP

Predicted I Observed M.W.: 100 kDa

Uniprot ID: Q96AV8

Background:

E2F7 is an atypical E2F transcription factor that participates in various processes such as angiogenesis, polyploidization of specialized cells and DNA damage response. E2F7 mainly acts as a transcription repressor that binds DNA independently of DP proteins and specifically recognizes the E2 recognition site 5'-TTTC[CG]CGC-3'. E2F7 directly represses transcription of classical E2F transcription factors such as E2F1. E2F7 also acts as a regulator of S-phase by recognizing and binding the E2-related site 5'-TTCCCGCC-3' and mediating repression of G1/S-regulated genes. E2F7 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). E2F7 is required for placental development by promoting polyploidization of trophoblast giant cells. E2F7 is also involved in DNA damage response: it is up-regulated by p53/TP53 following genotoxic stress and acts as a downstream effector of p53/TP53-dependent repression by mediating repression of indirect p53/TP53 target genes involved in DNA replication.

Other Names:

Transcription factor E2F7, E2F-7

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human E2F7. 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% NaN_3. 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.

Abiocode, Inc., 29397 Agoura Rd., Ste 106, Agoura Hills, CA 91301

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Species Specificity:

Human

Product Data:

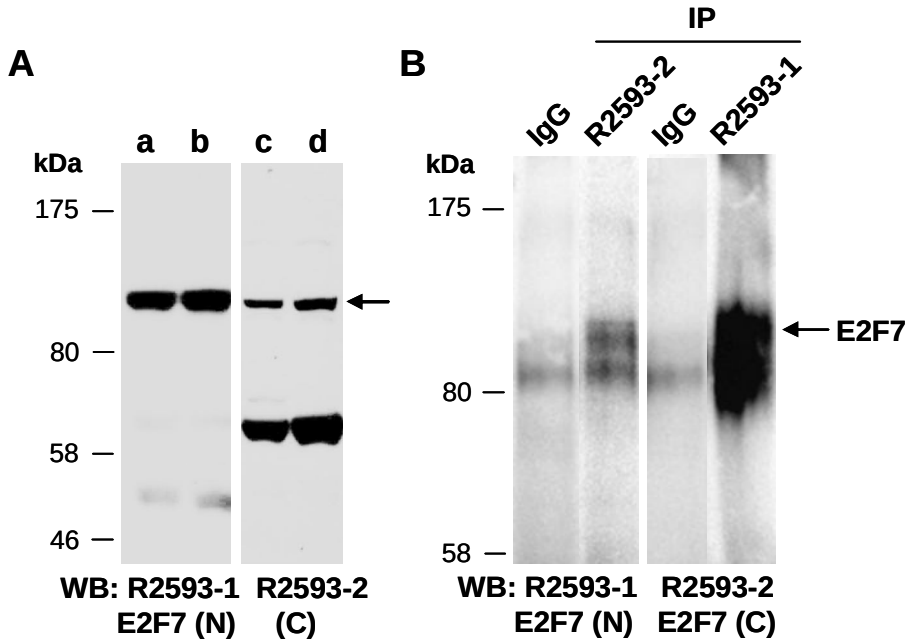

Fig 1. (A) *Western blot of total cell extracts from a,c: human HeLa, b,d: human Jurkat; using 2 independent Abs against 2 distinct regions of human E2F7 at RT for 2 h.* ***(B)*** *Total extracts from human Jurkat were immunoprecipitated (IP) with IgG or 2 independent Abs against E2F7, followed by WB with the indicated Abs at RT for 2 h.*

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