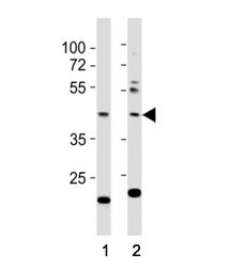
E2F1 Antibody (F50542)

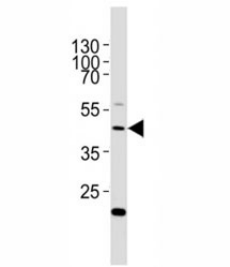
Catalog No.	Formulation	Size
F50542-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50542-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

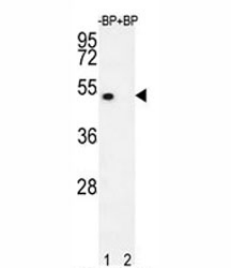
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q01094
Applications	Western blot: 1:1000
Limitations	This E2F1 antibody is available for research use only.



Western blot testing of E2F1 antibody at 1:1000 dilution. Lane 1: NIH3T3 lysate; 2: A431; Predicted molecular weight: 48-60 kDa.



Western blot testing of E2F1 antibody at 1:2000 dilution + HeLa lysate; Predicted molecular weight: 48-60 kDa.



Western blot analysis of E2F1 antibody pre-incubated without (lane 1) and with (2) blocking peptide in 293T lysate. Predicted molecular weight: 48-70 kDa.

Description

E2F1 is a transcription activator that binds DNA cooperatively with DP proteins through the E2 recognition site, 5'-TTTC[CG]CGC-3' found in the promoter region of a number of genes whose products are involved in cell cycle regulation or in DNA replication. The DRTF1/E2F complex functions in the control of cell-cycle progression from G1 to S phase. E2F1 binds preferentially RB1 in a cell-cycle dependent manner. It can mediate both cell proliferation and TP53/p53-dependent apoptosis. Blocks adipocyte differentiation by binding to specific promoters repressing CEBPA binding to its target gene promoters. [UniProt]

Application Notes

Titration of the E2F1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 342-371 from the human protein was used as the immunogen for this E2F1 antibody.

Storage

Aliquot the E2F1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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