

E2F-1 (Acetyl-Lys120) Polyclonal Antibody

Catalog # AP63271

Product Information

Application WB Primary Accession 001094

Reactivity Human, Mouse, Rat

Host Rabbit
Clonality Polyclonal
Calculated MW 46920

Additional Information

Gene ID 1869

Other Names E2F1 RBBP3

Dilution WB~~WB: 1:500-10000 ELISA: 1:10000

Format PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50%

Glycerol.

Storage Conditions -20°C

Protein Information

Name E2F1 {ECO:0000303|PubMed:8964493, ECO:0000312|HGNC:HGNC:3113}

Function 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 (PubMed: 10675335, PubMed: 12717439,

PubMed: 17050006, PubMed: 17704056, PubMed: 18625225,

PubMed: 28992046). The DRTF1/E2F complex functions in the control of

cell-cycle progression from G1 to S phase (PubMed: 10675335,

PubMed:<u>12717439</u>, PubMed:<u>17704056</u>). E2F1 binds preferentially RB1 in a cell-cycle dependent manner (PubMed:<u>10675335</u>, PubMed:<u>12717439</u>, PubMed:<u>17704056</u>). It can mediate both cell proliferation and TP53/p53-dependent apoptosis (PubMed:<u>8170954</u>). Blocks adipocyte differentiation by binding to specific promoters repressing CEBPA binding to its target gene promoters (PubMed:<u>20176812</u>). Directly activates transcription of PEG10 (PubMed:<u>17050006</u>, PubMed:<u>18625225</u>, PubMed:<u>28992046</u>). Positively

regulates transcription of RRP1B (PubMed:20040599).

Cellular Location Nucleus

Background

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 (PubMed:20176812). Positively regulates transcription of RRP1B (PubMed:20040599).

Images



Western Blot analysis of MOUSE-BRIAN cells using Antibody diluted at 2000. Secondary antibody was diluted at 1:20000

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