

# E2F-1 (Acetyl-K117) Polyclonal Antibody

Catalog # AP63284

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q01094</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	46920

## Additional Information

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<b>Gene ID</b>	1869
<b>Other Names</b>	Transcription factor E2F1 (E2F-1) (PBR3) (Retinoblastoma-associated protein 1) (RBAP-1) (Retinoblastoma-binding protein 3) (RBBP-3) (pRB-binding protein E2F-1)
<b>Dilution</b>	WB~~wb dilution 1:2000 E~~N/A
<b>Format</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
<b>Storage Conditions</b>	-20°C

## Protein Information

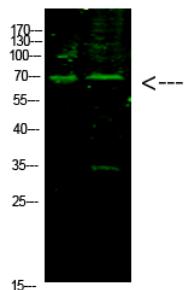
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<b>Name</b>	E2F1 {ECO:0000303   PubMed:8964493, ECO:0000312   HGNC:HGNC:3113}
<b>Function</b>	Transcription activator that binds DNA cooperatively with DP proteins through the E2 recognition site, 5'-TTTC[CG]CGC-3' found in the promoter region of a number of genes whose products are involved in cell cycle regulation or in DNA replication (PubMed: <a href="#">10675335</a> , PubMed: <a href="#">12717439</a> , PubMed: <a href="#">17050006</a> , PubMed: <a href="#">17704056</a> , PubMed: <a href="#">18625225</a> , PubMed: <a href="#">28992046</a> ). The DRTF1/E2F complex functions in the control of cell-cycle progression from G1 to S phase (PubMed: <a href="#">10675335</a> , PubMed: <a href="#">12717439</a> , PubMed: <a href="#">17704056</a> ). E2F1 binds preferentially RB1 in a cell-cycle dependent manner (PubMed: <a href="#">10675335</a> , PubMed: <a href="#">12717439</a> , PubMed: <a href="#">17704056</a> ). It can mediate both cell proliferation and TP53/p53-dependent apoptosis (PubMed: <a href="#">8170954</a> ). Blocks adipocyte differentiation by binding to specific promoters repressing CEBPA binding to its target gene promoters (PubMed: <a href="#">20176812</a> ). Directly activates transcription of PEG10 (PubMed: <a href="#">17050006</a> , PubMed: <a href="#">18625225</a> , PubMed: <a href="#">28992046</a> ). Positively regulates transcription of RRP1B (PubMed: <a href="#">20040599</a> ).
<b>Cellular Location</b>	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 1, heLa 2, mouse-brain cells using primary antibody diluted at 1:1000(4°C overnight). Secondary antibody : Goat Anti-rabbit IgG IRDye 800 (diluted at 1:5000, 25°C, 1 hour)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.