

# E2F-1 Polyclonal Antibody

Catalog # AP74241

## Product Information

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

## Additional Information

Gene ID	1869
Other Names	Transcription factor E2F1 (E2F-1) (PBR3) (Retinoblastoma-associated protein 1) (RBAP-1) (Retinoblastoma-binding protein 3) (RBBP-3) (pRB-binding protein E2F-1)
Dilution	WB~~WB 1:500-2000, ELISA 1:10000-20000
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

## Protein Information

Name	E2F1 {ECO:0000303 PubMed:8964493, ECO:0000312 HGNC:HGNC:3113}
Function	<p>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>).</p>
Cellular Location	Nucleus

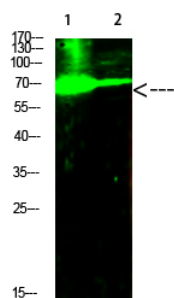
## Background

---

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 1,mouse-heart 2,hela 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'.