

## E2F1 antibody

Catalog No: #38351

Package Size: #38351-1 50ul #38351-2 100ul

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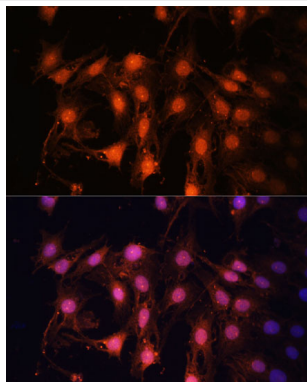
## Description

Product Name	E2F1 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total E2F1 protein.
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human E2F1.
Target Name	E2F1
Other Names	E2F-1; RBAP1; RBBP3; RBP3;
Accession No.	Swiss-Prot#: Q01094 NCBI Gene ID: 1869
SDS-PAGE MW	47kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

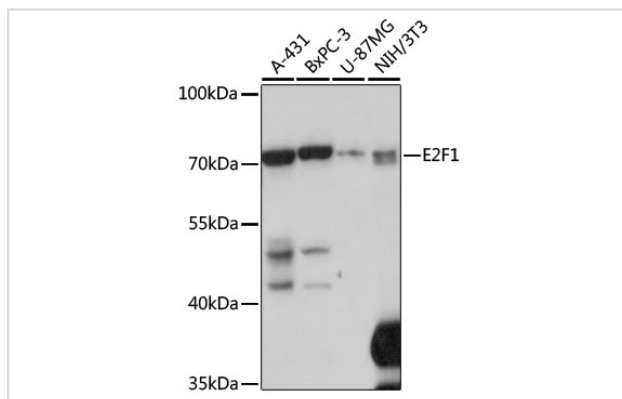
## Application Details

WB □ 1:500 - 1:1000 IF □ 1:20 - 1:100

## Images



Immunofluorescence analysis of C6 cells using E2F1 Polyclonal antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western blot analysis of extracts of various cell lines, using E2F1 antibody at 1:1000 dilution.

## Background

The E2F transcription factors are essential for regulation of the cell cycle (1,2). Physiological E2F is a heterodimer composed of an E2F subunit together with a DP subunit (3, 4). Six members of the E2F family have been identified, and each E2F subunit has a DNA binding and a dimerization domain. E2F-1 to -5 activate transcription. E2F-1 to -3 bind pRb, and E2F-4 and -5 bind p107 or p130, and these interactions are under cell cycle control (5-8). E2F-1 has oncogenic properties in vivo and in vitro. E2F-1 can induce apoptosis through p53-dependent and -independent mechanisms. E2F-1 is stress-responsive, and is regulated by a PI3-kinase-like kinase family such as the ATM/ATR kinases (9-11).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.