

## E2F-1 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP02789
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	Synthetic peptide from human protein at AA range: 100-170
<b>Mol wt</b>	46920
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	IF, WB, IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	E2F-1 Antibody
<b>Synonyms</b>	E2F1 RBBP3

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

The protein encoded by E2F1 (E2F transcription factor 1) is a member of the E2F family of transcription factors. The E2F family plays a crucial role in the control of cell cycle and action of tumor suppressor proteins and is also a target of the transforming proteins of small DNA tumor viruses. The E2F proteins contain several evolutionally conserved domains found in most members of the family. These domains include a DNA binding domain, a dimerization domain which determines interaction with the differentiation regulated transcription factor proteins (DP), a transactivation domain enriched in acidic amino acids, and a tumor suppressor protein association domain which is embedded within the transactivation domain. This protein and another 2 members, E2F2 and E2F3, have an additional cyclin binding domain. This protein binds preferentially to retinoblastoma protein pRB in a cell-cycle dependent manner. It can mediate both cell proliferation and p53-dependent/independent apoptosis.

### Recommended Dilution

WB: 1: 500 - 2000

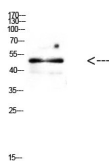
ELISA: 1: 10000 - 20000

IHC: 1: 50 - 300

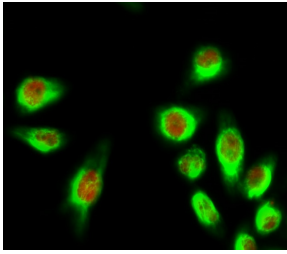
IF: 1: 50 - 200

Not yet tested in other applications.

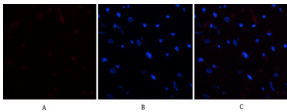
### Images



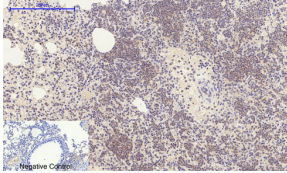
Western Blot analysis of MOUSE-BRAIN cells using Antibody diluted at 500. Secondary antibody was diluted at 1:20000



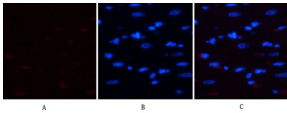
Immunofluorescence analysis of HeLa cell. 1,E2F-1 Polyclonal Antibody(red) was diluted at 1:200(4° overnight). HER2 Monoclonal Antibody(11H9)(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 was diluted at 1:1000(room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 was diluted at 1:1000(room temperature, 50min).



Immunofluorescence analysis of rat-heart tissue. 1,E2F-1 Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min),3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunohistochemical analysis of paraffin-embedded Mouse-lung tissue. 1,E2F-1 Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunofluorescence analysis of rat-heart tissue. 1,E2F-1 Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min),3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

### Storage

-20°C for one year

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