BT LAB
Bioassay Technology Laboratory
Optimize Your Research

E2F-1 Polyclonal Antibody

Description

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

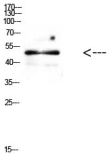
ELISA: 1: 10000 - 20000

IHC: 1: 50 - 300

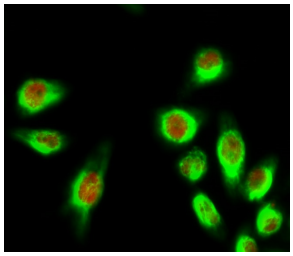
IF: 1: 50 - 200

Not yet tested in other applications.

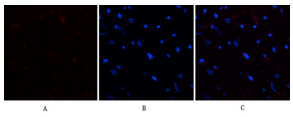
Images



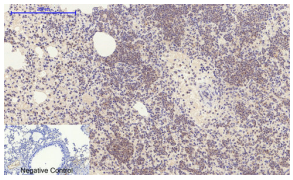
Western Blot analysis of MOUSE-BRAIN cells using Antibody diluted at 500. Secondary antibody was diluted at 1:20000



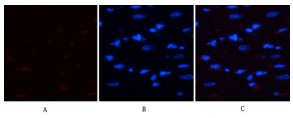
Immunofluorescence analysis of Hela cell. 1,E2F-1 Polyclonal Antibody(red) was diluted at 1:200(4° overnight). HER2 Monoclonal Antibody(11H9)(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 was diluted at 1:1000(room temperature, 50min). Goat Anti Mouse Alexa Fluor 488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