

# E2F-1 Polyclonal Antibody

### Description

Product type Primary Antibody

Code BT-AP02788

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human E2F1. AA range:388-437

Mol wt 46920

Species reactivity Human, Mouse

**Clonality** Polyclonal

Recommended application WB, IHC-p, ELISA

Concentration 1 mg/ml

Full name E2F-1 Antibody

Synonyms E2F1; RBBP3; Transcription factor E2F1; E2F-1; PBR3; Retinoblastoma-associated protein 1; RBAP-1;

Retinoblastoma-binding protein 3; RBBP-3; pRB-binding protein E2F-1

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

#### Background

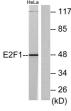
The protein encoded by E2F1 (E2F transcription factor 1) is a member of the E2F family of transcription factors. The E2F family plays a crucial role in the control of cell cycle and action of tumor suppressor proteins and is also a target of the transforming proteins of small DNA tumor viruses. The E2F 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

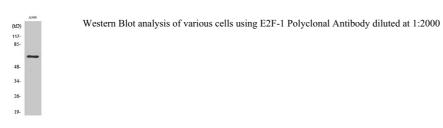
WB: 1: 500 - 1: 2000 IHC: 1: 100 - 1: 300 ELISA: 1: 5000

Not yet tested in other applications.

## **Images**



Western blot analysis of lysates from HeLa cells, treated with Etoposide 25uM 24h, using E2F1 Antibody. The lane on the right is blocked with the synthesized peptide.



## Storage

-20°C for one year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China
Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com