BT LAB
Bioassay Technology Laboratory
Optimize Your Research

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

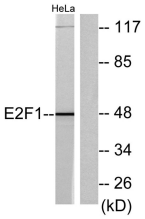
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

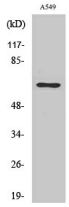
ELISA: 1: 5000

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.



Western Blot analysis of various cells using E2F-1 Polyclonal Antibody diluted at 1:2000

Storage

-20°C for one year

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