

## Product datasheet

# Anti-E2F1 antibody ab94888

3 References 2 Images

### Overview

<b>Product name</b>	Anti-E2F1 antibody
<b>Description</b>	Rabbit polyclonal to E2F1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat
<b>Immunogen</b>	Recombinant fragment, corresponding to amino acids 183-433 of Human E2F1 (NM_005225).
<b>Positive control</b>	K562 cell lysate and Human fetal tonsil tissue

### Properties

<b>Form</b>	Lyophilised: Reconstitute with 200ul distilled sterile water. Please note that if you receive this product in liquid form it has already been reconstituted as described and no further reconstitution is necessary.
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.02% Sodium Azide Constituents: PBS, pH 7.2
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab94888** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Predicted molecular weight: 47 kDa.
IHC-P		1/50 - 1/200.

## Target

### Function

Transcription activator that binds DNA cooperatively with dp proteins through the E2 recognition site, 5'-TTTC[CG]CGC-3' found in the promoter region of a number of genes whose products are involved in cell cycle regulation or in DNA replication. The DRTF1/E2F complex functions in the control of cell-cycle progression from G1 to S phase. E2F-1 binds preferentially RB1 protein, in a cell-cycle dependent manner. It can mediate both cell proliferation and p53-dependent apoptosis.

### Sequence similarities

Belongs to the E2F/DP family.

### Post-translational modifications

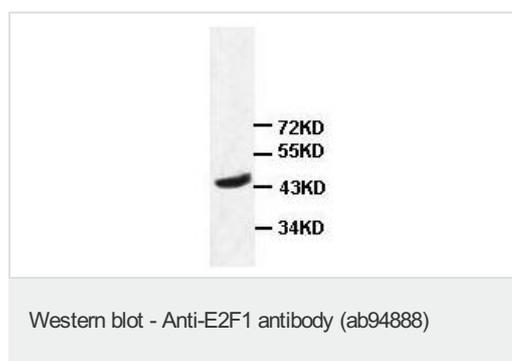
Phosphorylated by CDK2 and cyclin A-CDK2 in the S-phase.

Acetylation stimulates DNA-binding. Enhanced under stress conditions such as DNA damage and inhibited by retinoblastoma protein pRB. Regulated by KAP1/TRIM28 which recruits HDAC1 to E2F1 resulting in deacetylation. Acetylated by P/CAF/KAT2B.

### Cellular localization

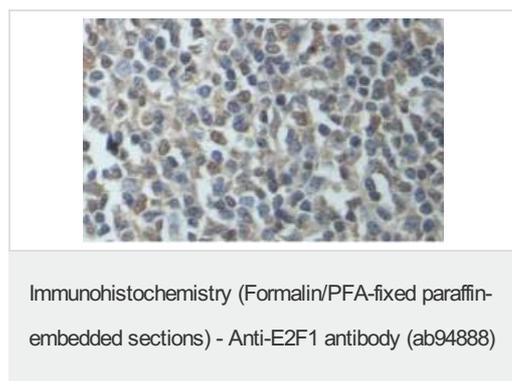
Nucleus.

## Images



Anti-E2F1 antibody (ab94888) at 1/500 dilution + K562 cell lysate

**Predicted band size:** 47 kDa



ab94888, at a 1/100 dilution, staining E2F1 in formalin fixed, paraffin embedded Human fetal tonsil tissue by Immunohistochemistry.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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