

# E2F1 Polyclonal antibody

Catalog Number: 12171-1-AP

Featured Product

50 Publications

## Basic Information

## Catalog Number:

12171-1-AP

## Size:

150ul, Concentration: 307 µg/ml by Bradford method using BSA as the standard;

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG2813

## GenBank Accession Number:

BC050369

## GeneID (NCBI):

1869

## Full Name:

E2F transcription factor 1

## Calculated MW:

437 aa, 47 kDa

## Observed MW:

55 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:200

## Applications

## Tested Applications:

IHC, WB, ELISA

## Cited Applications:

IF, IHC, WB

## Species Specificity:

human, mouse, rat

## Cited Species:

human, mouse, Artemia sinica

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Positive Controls:

**WB**: HeLa cells, A431 cells, mouse brain tissue, NIH/3T3 cells

**IHC**: human breast cancer tissue,

## Background Information

Transcription factor E2F1 (E2F1), also known as RBBP3, is a 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. This antibody is a rabbit polyclonal antibody raised against the C-terminal 350 aa sequence of E2F1 protein, specifically recognizes the 47kd human E2F1 protein. The sumoylated E2F1 is about 55 kDa.

## Notable Publications

| Author       | Pubmed ID | Journal        | Application |
|--------------|-----------|----------------|-------------|
| Liming Wang  | 31566718  | J Cell Physiol | WB          |
| Xiaoman Chen | 30207732  | Mol Pharm      | WB          |
| Juan Liu     | 26404133  | Tumour Biol    | WB          |

## Storage

## Storage:

Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

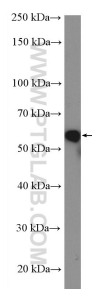
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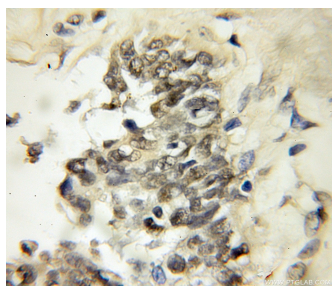
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## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 12171-1-AP (E2F1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 12171-1-AP (E2F1 antibody) at dilution of 1:50 (under 10x lens).