# antibodies.com

Datasheet for ABIN6266337 anti-E2F1 antibody (C-Term)

2 Images



## Overview

| Quantity:            | 100 µL                                                   |
|----------------------|----------------------------------------------------------|
| Target:              | E2F1                                                     |
| Binding Specificity: | C-Term                                                   |
| Reactivity:          | Human, Mouse, Rat                                        |
| Host:                | Rabbit                                                   |
| Clonality:           | Polyclonal                                               |
| Conjugate:           | This E2F1 antibody is un-conjugated                      |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

# Product Details

| Immunogen:            | A synthesized peptide derived from human E2F1, corresponding to a region within C-terminal amino acids.                                |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| lsotype:              | lgG                                                                                                                                    |
| Specificity:          | E2F1 Antibody detects endogenous levels of total E2F1.                                                                                 |
| Predicted Reactivity: | Pig,Bovine,Horse,Rabbit                                                                                                                |
| Purification:         | The antiserum was purified by peptide affinity chromatography using SulfoLink <sup>TM</sup> Coupling Resin (Thermo Fisher Scientific). |

Target Details

Target: E2F1

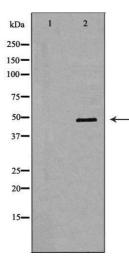
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| Target Details      |                                                                                                                                                                                         |  |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Alternative Name:   | E2F1 (E2F1 Products)                                                                                                                                                                    |  |
| Background:         | Description: 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. E2F1 binds                                                                                               |  |
|                     | preferentially RB1 in a cell-cycle dependent manner. It can mediate both cell proliferation and                                                                                         |  |
|                     | TP53/p53-dependent apoptosis. Blocks adipocyte differentiation by binding to specific                                                                                                   |  |
|                     | promoters repressing CEBPA binding to its target gene promoters (PubMed:20176812).                                                                                                      |  |
|                     | Positively regulates transcription of RRP1B (PubMed:20040599).                                                                                                                          |  |
|                     | Gene: E2F1                                                                                                                                                                              |  |
| Molecular Weight:   | 47kDa                                                                                                                                                                                   |  |
| Gene ID:            | 1869                                                                                                                                                                                    |  |
| UniProt:            | Q01094                                                                                                                                                                                  |  |
| Pathways:           | p53 Signaling, Cell Division Cycle, Mitotic G1-G1/S Phases, DNA Replication, M Phase,                                                                                                   |  |
|                     | Autophagy                                                                                                                                                                               |  |
|                     |                                                                                                                                                                                         |  |
| Application Details |                                                                                                                                                                                         |  |
| Application Notes:  | WB 1:500-1:2000, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000                                                                                                                         |  |
| Restrictions:       | For Research Use only                                                                                                                                                                   |  |
| Handling            |                                                                                                                                                                                         |  |
| Format:             | Liquid                                                                                                                                                                                  |  |
| Concentration:      | 1 mg/mL                                                                                                                                                                                 |  |
|                     |                                                                                                                                                                                         |  |
| Buffer:             | Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 %                                                                                             |  |
|                     | glycerol.                                                                                                                                                                               |  |
| Preservative:       | Sodium azide                                                                                                                                                                            |  |
| Precaution of Use:  | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which                                                                                                           |  |
|                     | should be handled by trained staff only.                                                                                                                                                |  |
| Storage:            | -20 °C                                                                                                                                                                                  |  |
| Storage Comment:    | Store at -20 °C. Stable for 12 months from date of receipt.                                                                                                                             |  |
|                     |                                                                                                                                                                                         |  |

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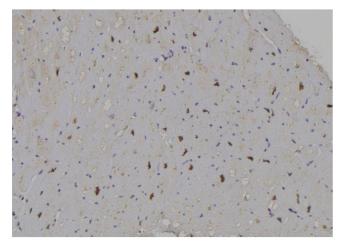
12 months

### Images



### Western Blotting

**Image 1.** Western blot analysis of Hela whole cell lysates, using E2F1 Antibody. The lane on the left is treated with the antigen-specific peptide.



### Immunohistochemistry

**Image 2.** ABIN6277059 at 1/100 staining Human heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22jãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary