# Mouse anti-Human E4F1 Monoclonal Antibody | anti-E4F1 antibody

E4F1 Mouse Monoclonal Antibody [Clone PCRP-E4F1-2D1]

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA215605** | **Mouse** | **Human** | **Immunofluorescence, Flow Cytometry, Functional Assay** |

## PRODUCT SYNONYMS

E4F1; Monoclonal Antibody; E4F1 Mouse Monoclonal Antibody [Clone PCRP-E4F1-2D1]; E4F transcription factor 1; isoform CRA_b; P120E4F transcription factor; p50E4F; Putative E3 ubiquitin-protein ligase E4F1; RING type E3 ubiquitin transferase E4F1; Transcription factor E4F1; anti-E4F1 antibody

## PRODUCT SPECIFICATIONS

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|---|---|
| **Host** | Mouse |
| **Reactivity** | Human |
| **Clonality** | Monoclonal |
| **Isotype** | Mouse/IgG1 |
| **Clone Number** | PCRP-E4F1-2D1 |
| **Form/Format** | 200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0. 05% BSA & 0. 05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| **Concentration** | Purified Ab with BSA and Azide at 200ug/ml<br>OR<br>Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot) |
| **Applicable Applications for anti-E4F1 antibody** | IF (Immunofluorescence), FCM/FACS (Flow Cytometry) |
| **Immunogen** | Recombinant full-length human E4F1 protein |
| **Cellular Localization** | Nucleus |
| **Positive Control** | HeLa, Jurkat or MCF7 cells. |
| **Hu-chromosome Location** | 16p13.3 |
| **Unigene** | 513268 |
| **Preparation and Storage** | Antibody with azide: store at 2 to 8 degree C<br>Antibody without azide: store at -20 to -80 degree C<br>Antibody is stable for 24 months. Non-hazardous. No MSDS required. |

## IMAGES

**FCM/FACS (Flow Cytometry)**
Flow Cytometric Analysis of PFA-fixed HeLa cells. E4F1 Mouse Monoclonal Antibody (PCRP-E4F1-2D1) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

## ADDITIONAL INFORMATION

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|---|---|
| **Related Product Information for anti-E4F1 antibody** | E4F1 (E4F transcription factor 1), also known as E4F, is a 784 amino acid protein that localizes to both the nucleus and the cytoplasm and contains 9 C2H2-type zinc fingers. Expressed ubiquitously in adult and fetal tissues, E4F1 exists as a homodimer that binds DNA and is thought to act as a transcriptional repressor and may also play a role in cell survival and growth via cell cycle control. Additionally, E4F1 is thought to function as a ubiquitin ligase that mediates the ubiquitination (and subsequent degradation) of target proteins and may be involved in the p53 tumor suppressor pathway. E4F1, which may be post-translationally phosphorylated or sumoylated, is subject to proteolytic cleavage which results in the creation of a short peptide with specific DNA binding capabilities. |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 571026674 |
| **NCBI GeneID** | 1877 |
| **NCBI Accession #** | NP_001275705.1 |
| **NCBI GenBank Nucleotide #** | NM_001288776.1 |
| **UniProt Accession #** | Q66K89; O00146; A8K2R4 |
| **Molecular Weight** | 83,496 Da |
| **NCBI Official Full Name** | transcription factor E4F1 isoform 2 |
| **NCBI Official Synonym Full Names** | E4F transcription factor 1 |
| **NCBI Official Symbol** | E4F1 |
| **NCBI Official Synonym Symbols** | E4F |
| **NCBI Protein Information** | transcription factor E4F1; p50E4F; p120E4F; putative E3 ubiquitin-protein ligase E4F1 |
| **UniProt Protein Name** | Transcription factor E4F1 |
| **UniProt Gene Name** | **E4F1** |
| **UniProt Synonym Gene Names** | E4F |
| **UniProt Entry Name** | E4F1_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/e4f1-antibody-clone-pcrp-e4f1-2d1-immunofluorescence-flow-cytometry-elisa/215605