Best Tools for immunology Research

# E2F-1 mouse mAb

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| **Catalog No :** | YM1428 |
| **Reactivity :** | Human;Rat |
| **Applications :** | WB;IF;IP |
| **Target :** | E2F-1 |
| **Fields :** | >>Endocrine resistance;>>Cell cycle;>>Mitophagy - animal;>>Cellular senescence;>>Cushing syndrome;>>Hepatitis C;>>Hepatitis B;>>Human cytomegalovirus infection;>>Human papillomavirus infection;>>Human T-cell leukemia virus 1 infection;>>Kaposi sarcoma-associated herpesvirus infection;>>Epstein-Barr virus infection;>>Pathways in cancer;>>MicroRNAs in cancer;>>Chemical carcinogenesis - receptor activation;>>Pancreatic cancer;>>Glioma;>>Prostate cancer;>>Melanoma;>>Bladder cancer;>>Chronic myeloid leukemia;>>Small cell lung cancer;>>Non-small cell lung cancer;>>Breast cancer;>>Hepatocellular carcinoma;>>Gastric cancer |
| **Gene Name :** | e2f1 |
| **Human Gene Id :** | 1869 |
| **Human Swiss Prot No :** | Q01094 |
| **Mouse Swiss Prot No :** | Q61501 |
| **Immunogen :** | Purified recombinant human E2F-1 protein fragments expressed in E.coli. |
| **Specificity :** | This antibody detects endogenous levels of E2F-1 and does not cross-react with related proteins. |
| **Formulation :** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source :** | Monoclonal, Mouse |
| **Dilution :** | wb dilution 1:500 icc dilution 1:100. IF 1:50-200 |
| **Purification :** | The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen. |

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| **Concentration :** | 1 mg/ml |
| **Storage Stability :** | -15°C to -25°C/1 year(Do not lower than -25°C) |
| **Observed Band :** | 60kD |
| **Cell Pathway :** | Cell_Cycle_G1S;Cell_Cycle_G2M_DNA;Pathways in cancer;Pancreatic cancer;Glioma;Prostate cancer;Melanoma;Bladder cancer;Chronic myeloid leukemia;Small cell lung cancer;Non-small cell lung cancer; |
| **Background :** | The protein encoded by this gene 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 media |
| **Function :** | 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.,PTM:Phosphorylated by CDK2 and cyclin A-CDK2 in the S-phase.,similarity:Belongs to the E2F/DP family.,subunit:Component of the DRTF1/E2F transcription factor complex. Forms heterodimers with DP family members. The E2F-1 complex binds specifically hypophosphorylated retinoblastoma protein RB1. During the cell cycle, RB1 becomes phosphorylated in mid-to-late G1 phase, detaches from the DRTF1/E2F complex, ren |
| **Subcellular Location :** | Nucleus . |
| **Expression :** | Brain,Epithelium,Pancreas,Skin, |
| **Tag :** | ip |
| **Sort :** | 5348 |
| **No4 :** | 1 |

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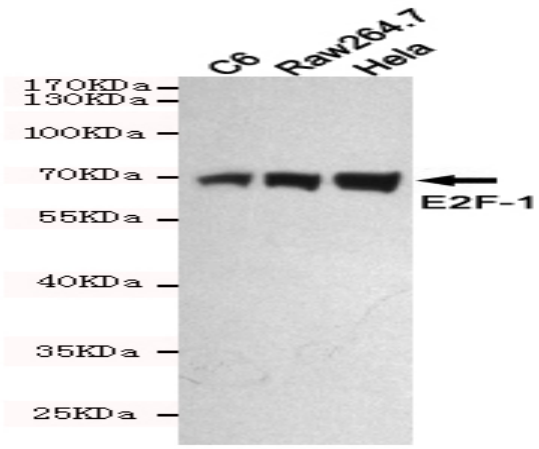
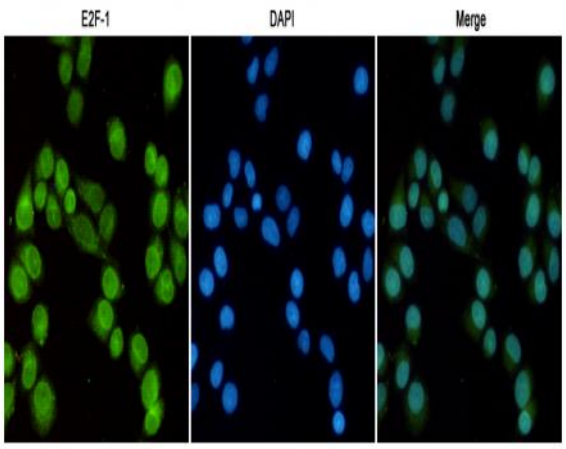
**Host :** Mouse

**Modifications :** Unmodified

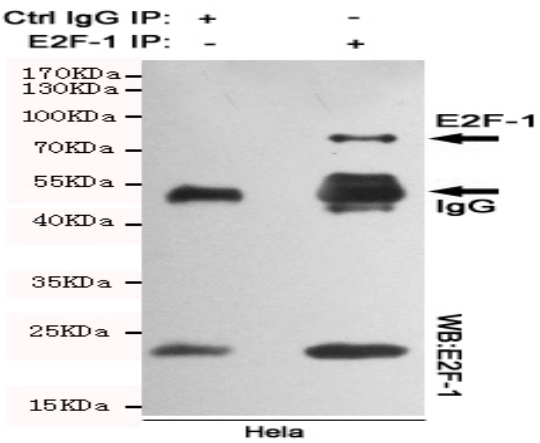
## Products Images




Western blot detection of E2F-1 in C6,Raw264.7 and Hela cell lysates using E2F-1 mouse mAb (1:500 diluted).Predicted band size:70KDa.Observed band size:70KDa.




Immunofluorescent analysis of Hela cells fixed with 4% Paraformaldehyde and using anti-E2F-1 mouse mAb (dilution 1:100). DAPI was used to stain nucleus(blue).




Immunoprecipitation analysis of Hela cell lysates using E2F-1 mouse mAb.