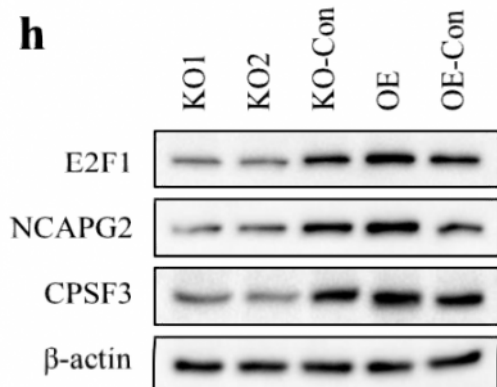


E2F-1 Polyclonal Antibody

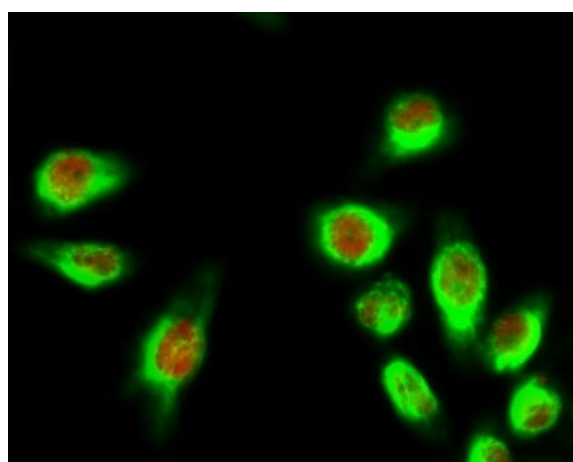
Catalog No :	YT5811
Reactivity :	Human;Mouse;Rat
Applications :	IF;WB;IHC;ELISA
Target :	E2F-1
Fields :	>>Endocrine resistance;>>Cell cycle;>>Mitophagy - animal;>>Cellular senescence;>>Cushing syndrome;>>Hepatitis C;>>Hepatitis B;>>Human cytomegalovirus infection;>>Human papillomavirus infection;>>Human 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 RBBP3
Protein Name :	E2F transcription factor 1
Human Gene Id :	1869
Human Swiss Prot No :	Q01094
Mouse Gene Id :	13555
Mouse Swiss Prot No :	Q61501
Rat Swiss Prot No :	O09139
Immunogen :	Synthetic peptide from human protein at AA range: 100-170
Specificity :	The antibody detects endogenous E2F-1 protein
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Polyclonal, Rabbit,IgG

Dilution:	IF 1:50-200 WB 1:500-2000, ELISA 1:10000-20000 IHC 1:50-300
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
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,

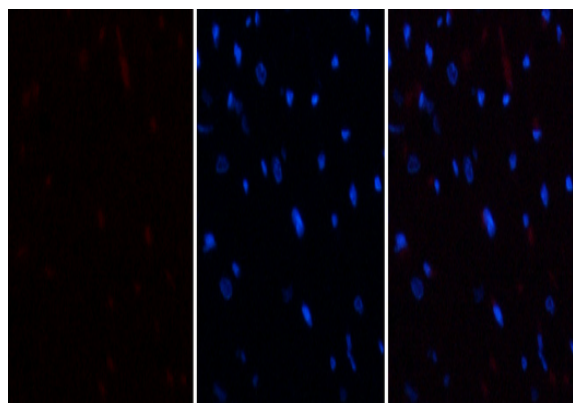
Products Images



CPSF3 Promotes Pre-mRNA Splicing and Prevents CircRNA Cyclization in Hepatocellular Carcinoma. Cancers Qubo Zhu WB Human 1:1000 HepG2 cell,HuH7 cell



Immunofluorescence analysis of HeLa cell. 1, E2F-1 Polyclonal Antibody (red) was diluted at 1:200 (4° overnight). HER2 Monoclonal Antibody (11H9) (green) was diluted at 1:200 (4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 Catalog:RS3611 was diluted at 1:1000 (room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 Catalog:RS3208 was diluted at 1:1000 (room temperature, 50min).

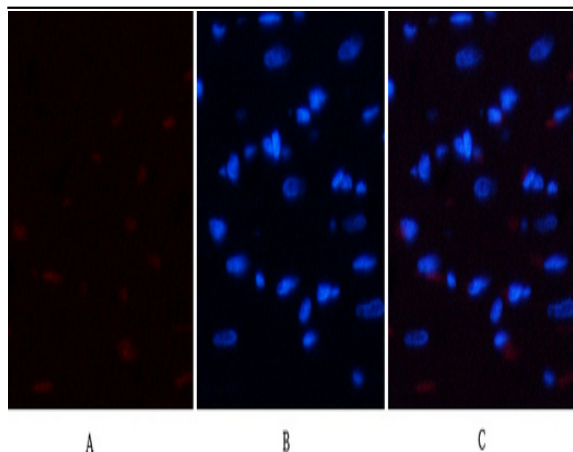


Immunofluorescence analysis of rat-heart tissue. 1, E2F-1 Polyclonal Antibody (red) was diluted at 1:200 (4° C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B

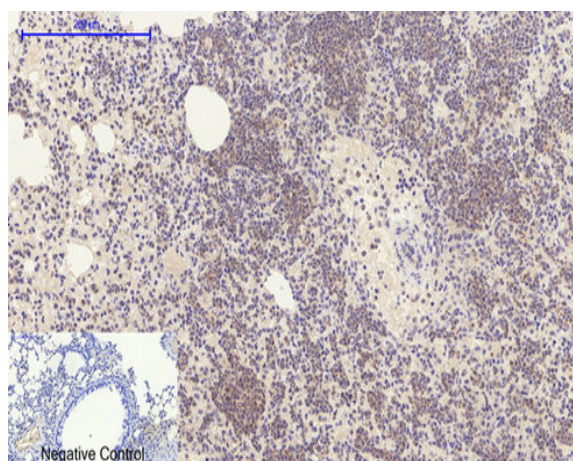
A

B

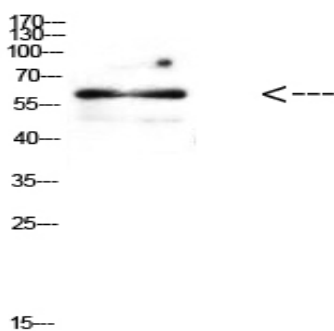
C



Immunofluorescence analysis of rat-heart tissue. 1, E2F-1 Polyclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



Immunohistochemical analysis of paraffin-embedded mouse lung tissue. 1, E2F-1 Polyclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, Secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



Western Blot analysis of mouse brain cells using antibody diluted at 500. Secondary antibody (catalog #: RS0002) was diluted at 1:20000