E2F1 Rabbit mAb

Catalog No: #49286

Package Size: #49286-1 50ul #49286-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	E2F1 Rabbit mAb
Clone No.	JJ092-02
Purification	Affinity-chromatography
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	A synthesized peptide derived from human E2F1
Other Names	Dmel\CG6376 antibody Dmel_CG6376 antibody drosE2F1 antibody E(Sev-CycE)3A antibody E(var)3-93E antibody E2-promoter binding facto antibody E2F 1 antibody E2F transcription factor 1 antibody E2F-1 antibody E2f-PA antibody E2f-PB antibody E2f-PC antibody E2F1 antibody E2f1 E2F transcription factor 1 antibody E2F1_HUMAN antibody Evar(3)164 antibody KIAA4009 antibody l(3)07172 antibody l(3)j3B1 antibody l(3)j3C2 antibody l(3)rM729 antibody mKIAA4009 antibody OTTHUMP00000030661 antibody PBR3 antibody PRB binding protein E2F 1 antibody PRB-binding protein E2F-1 antibody RBAP 1 antibody RBAP-1 antibody RBAP1 antibody RBBP-3 antibody RBBP3 antibody RBP 3 antibody RBP3 antibody Retinoblastoma-associated protein 1 antibody Retinoblastoma-binding protein 3 antibody Transcription factor E2F1 antibody
Accession No.	Swiss-Prot#:Q01094
Uniprot	Q01094
GeneID	1869;
Calculated MW	65 kDa
Formulation	Rabbit IgG in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

WB 1:1000-1:2000;

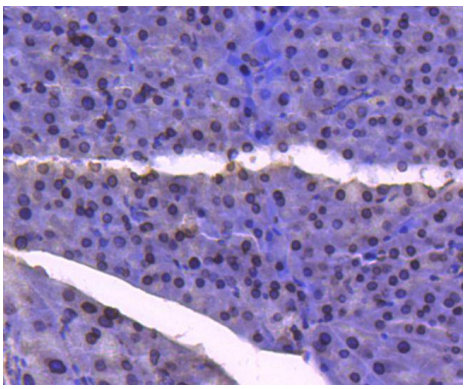
IHC 1:100-1:200;

ICC/IF 1:50-1:200;

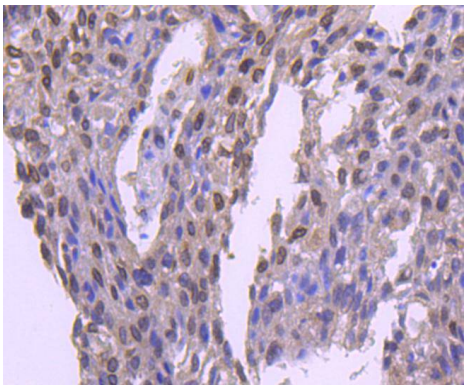
IP 1:20-1:50;

FC 1:20-1:100

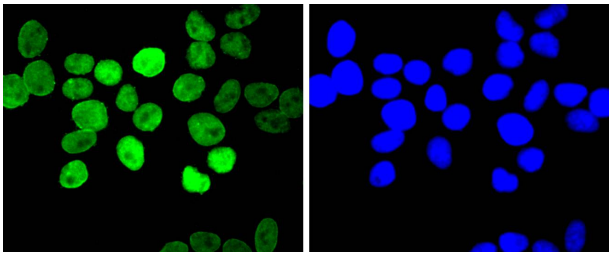
Images



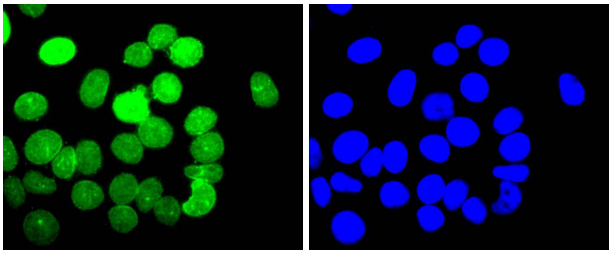
Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue using anti-E2F1 antibody. Counter stained with hematoxylin.



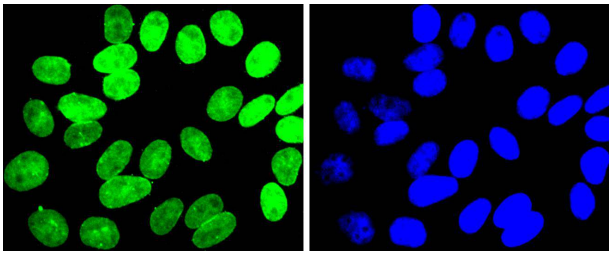
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-E2F1 antibody. Counter stained with hematoxylin.



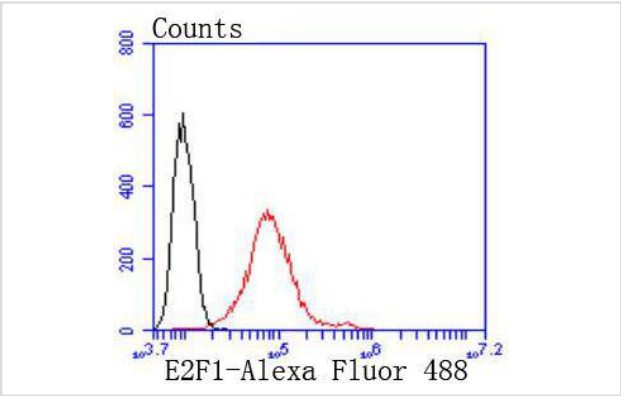
ICC staining E2F1 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



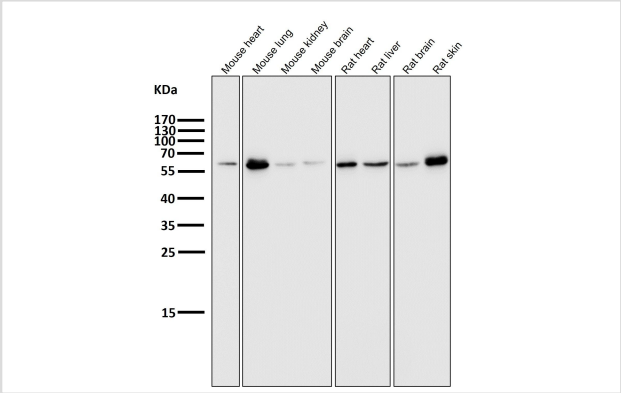
ICC staining E2F1 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



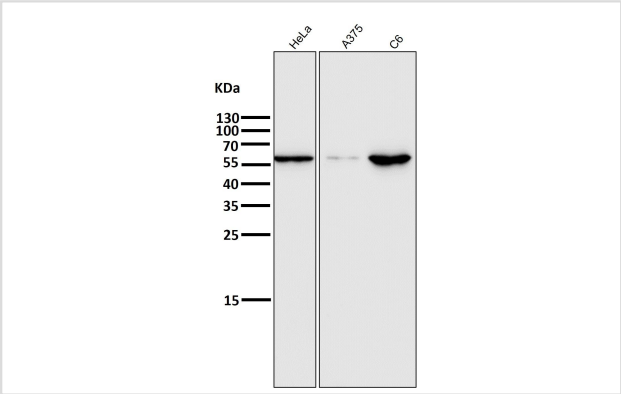
ICC staining E2F1 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Hela cells with E2F1 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.

Background

The human retinoblastoma gene product appears to play an important role in the negative regulation of cell proliferation. Functional inactivation of Rb can be mediated either through mutation or as a consequence of interaction with DNA tumor virus-encoded proteins. Of all the Rb associations described to date, the identification of a complex between Rb and the transcription factor E2F most directly implicates Rb in regulation of cell proliferation. E2F was originally identified through its role in transcriptional activation of the adenovirus E2 promoter. Sequences homologous to the E2F binding site have been found upstream of a number of genes that encode proteins with putative functions in the G1 and S phases of the cell cycle. E2F-1 is a member of a broader family of transcription regulators including E2F-2, E2F-3, E2F-4, E2F-5, E2F-6 and E2F-7 each of which forms heterodimers with a second protein, DP-1, forming an "active" E2F transcriptional regulatory complex.

Note: This product is for in vitro research use only